# SUEZ WATER NEW YORK HEADQUARTERS SITE PLAN DRAWINGS

162 OLD MILL ROAD, TOWN OF CLARKSTOWN ROCKLAND COUNTY, NEW YORK

# **OWNER:**

TILCON MINERALS INC.
625 MT HOPE AVENUE
WHARTON, NJ 07885

# APPLICANT (LESEE):

SUEZ NEW YORK
360 WEST NYACK ROAD
WEST NYACK, NY 10994
(845) 623–1500

# SITE ENGINEER:

BROOKER ENGINEERING P.L.L.C.
74 LAFAYETTE AVENUE
SUITE 501
SUFFERN, NEW YORK 10901
(845) 357-4411

# LAND SURVEYOR:

BROOKER ENGINEERING P.L.L.C.
74 LAFAYETTE AVENUE
SUITE 501
SUFFERN, NEW YORK 10901
(845) 357-4411

# **ARCHITECT:**

JAN DEGENSHEIN

9 NORTH MILL STREET, SUITE 113

NYACK, NY 10960

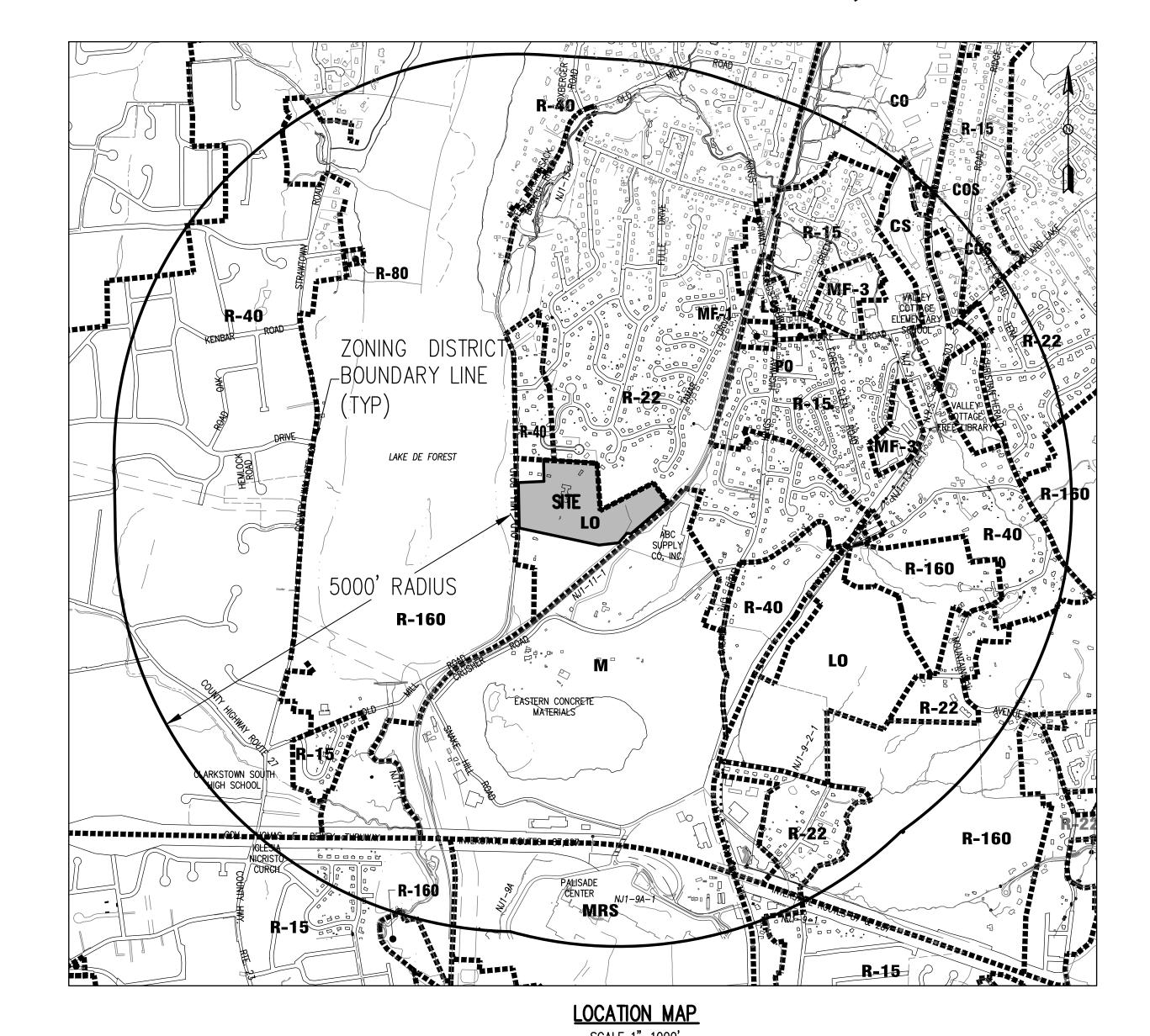
(845) 358-8400

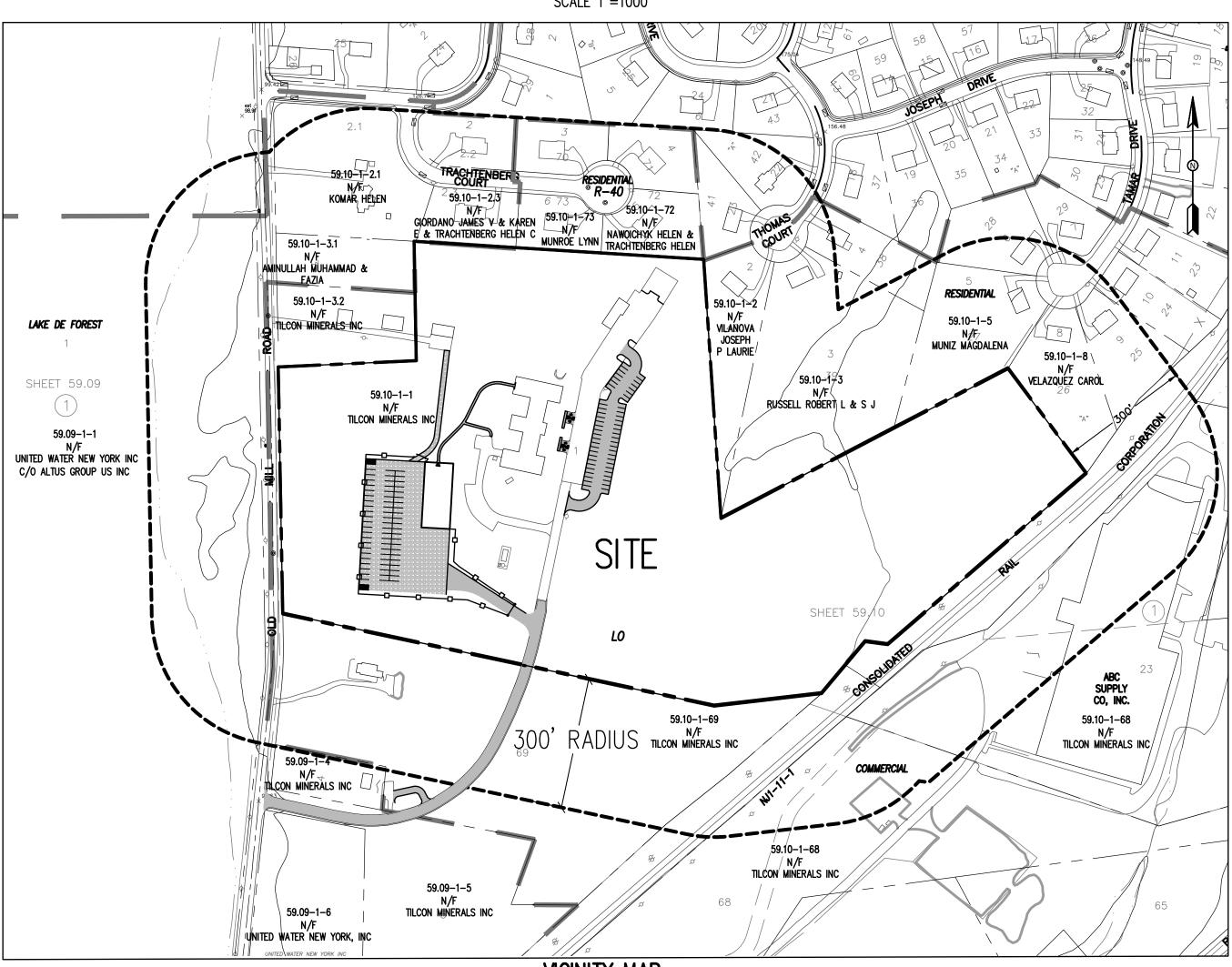
TAX LOT # OWNER NAME

# OWNER LIST WITHIN 300' RADIUS:

		ADDRESS		
59.10-1-69	TILCON MINERALS INC	31 OLD MILL RD WEST NYACK, NY 10994	PO BOX 5657 PARSIPPANY , NJ 07054	COMMERCIAL
59.10-1-9	BELTRAMO JOHN A & PATRICIA	50 TAMAR DRIVE VALLEY COTTAGE NY 10989	50 TAMAR DRIVE VALLEY COTTAGE NY 10989	ONE FAMILY RESIDENTIAL
59.10-1-4	DELANEY BRENDAN C/O CHRISTINE DELANEY	6 THOMAS COURT VALLEY COTTAGE NY 10989	6 THOMAS COURT VALLEY COTTAGE NY 10989	ONE FAMILY RESIDENTIAL
59.09-1-4	TILCON MINERALS INC	152 OLD MILL RD WEST NYACK, NY 10994	PO BOX 5657 PARSIPPANY , NJ 07054	COMMERCIAL
59.09-1-3.1	AMINULLAH MUHAMMAD & FAZIA	194 OLD MILL RD WEST NYACK, NY 10994	194 OLD MILL RD WEST NYACK, NY 10994	ONE FAMILY RESIDENTIAL
59.09-1-2.2	LAO RICARDO & LOIDA	1 TRACHTENBERG CT WEST NYACK, NY 10994	1 TRACHTENBERG CT WEST NYACK, NY 10994	ONE FAMILY RESIDENTIAL
59.09-1-2.1	KOMAR HELEN	208 OLD MILL RD WEST NYACK, NY 10994	208 OLD MILL RD WEST NYACK, NY 10994	ONE FAMILY RESIDENTIAL
59.10-1-8	VELAZQUEZ CAROL	52 TAMAR DRIVE VALLEY COTTAGE NY 10989	52 TAMAR DRIVE VALLEY COTTAGE NY 10989	ONE FAMILY RESIDENTIAL
59.10-1-5	MUNIZ MAGDALENA	49 TAMAR DRIVE VALLEY COTTAGE NY 10989	49 TAMAR DRIVE VALLEY COTTAGE NY 10989	ONE FAMILY RESIDENTIAL
59.10-1-3	RUSSELL ROBERT L & S J	8 THOMAS COURT VALLEY COTTAGE NY 10989	8 THOMAS COURT VALLEY COTTAGE NY 10989	CONVERTED RESIDENTIAL
59.10-1-2	VILANOVA JOSEPH P LAURIE F	7 THOMAS COURT VALLEY COTTAGE NY 10989	7 THOMAS COURT VALLEY COTTAGE NY 10989	ONE FAMILY RESIDENTIAL
59.10-1-1	TILCON MINERALS INC	162 OLD MILL RD WEST NYACK, NY 10994	PO BOX 5657 PARSIPPANY , NJ 07054	COMMERCIAL
59.10-1-73	MUNROE LYNN	5 TRACHTENBERG CT WEST NYACK, NY 10994	130 MAPLE AVENUE NEW CITY, NY 10956	ONE FAMILY RESIDENTIAL
59.10-1-72	NAWOICHYK HELEN & TRACHTENBERG HELEN	4 TRACHTENBERG CT WEST NYACK, NY 10994	PO BOX 129 WEST NYACK, NY 10994	ONE FAMILY RESIDENTIAL
59.10-1-6	HAYES JAMES W & BRENDA P	47 TAMAR DRIVE VALLEY COTTAGE NY 10989	47 TAMAR DRIVE VALLEY COTTAGE NY 10989	ONE FAMILY RESIDENTIAL
59.10-1-2.3	GIORDANO JAMES V & KAREN E & TRACHTENBERG HELEN	6 TRACHTENBERG CT WEST NYACK, NY 10994	6 TRACHTENBERG CT WEST NYACK, NY 10994	ONE FAMILY RESIDENTIAL
59.09-1-7	FENNELL KRISTEN & CREAN JAMES	45 TAMAR DRIVE VALLEY COTTAGE NY 10989	45 TAMAR DRIVE VALLEY COTTAGE NY 10989	ONE FAMILY RESIDENTIAL
59.06-1-23	TUNKS SCOTT & JENNIFER	5 THOMAS COURT VALLEY COTTAGE NY 10989	5 THOMAS COURT VALLEY COTTAGE NY 10989	ONE FAMILY RESIDENTIAL
59.06-1-22	NEW MAN TOR A + SHEREE B	3 THOMAS COURT VALLEY COTTAGE NY 10989	3 THOMAS COURT VALLEY COTTAGE NY 10989	ONE FAMILY RESIDENTIAL
59.10-1-71	CARROTOZZOLO GEORGE & JOYCE	3 TRACHTENBERG CT WEST NYACK, NY 10994	3 TRACHTENBERG CT WEST NYACK, NY 10994	ONE FAMILY RESIDENTIAL
59.10-1-70	STEFANELLI DOUGLAS & MARIETTE	2 TRACHTENBERG CT WEST NYACK, NY 10994	2 TRACHTENBERG CT WEST NYACK, NY 10994	ONE FAMILY RESIDENTIAL
59.09-1-3.2	TILCON MINERALS INC	55-91 OLD MILL RD WEST NYACK, NY 10994	PO BOX 5657 PARSIPPANY , NJ 07054	ONE FAMILY RESIDENTIAL
59.09-1-1	UNITED WATER NEW YORK INC C/O ALTUS GROUP US INC	192 OLD MILL RD WEST NYACK, NY 10994	SUITE 1630-63021001 N TATUM BLVD PHOENIX AZ 85050	COMMERCIAL
59.10-1-23	FORD PRODUCTS ROAD OWNER LLC	2-18 FORD PRODUCTS RD VALLEY COTTAGE NY 10989	2-18 FORD PRODUCTS RD VALLEY COTTAGE NY 10989	COMMERCIAL
59.10-1-68	TILCON MINERALS INC	70 CRUSHER RD WEST NYACK, NY 10994	PO BOX 5657 PARSIPPANY , NJ 07054	COMMERCIAL

OWNER ADDRESS





SCALE 1"=200'

1. TAX MAP INFORMATION AS PER TOWN OF CLARKSTOWN TAX MAP REVISED THROUGH FEBRUARY 28, 2014.

# DRAWING LIST:

	DATE	DATE
TITLE SHEET, LOCATION MAP & VICINITY MAP	12/07/2018	04/04/2019
PRELIMINARY OVERALL SITE PLAN	12/07/2018	04/04/2019
PRELIMINARY SITE PLAN-PART PLAN	12/07/2018	04/04/2019
PRELIMINARY GRADING AND UTILITY PART PLAN (1 OF 2)	12/07/2018	04/04/2019
PRELIMINARY GRADING AND UTILITY PART PLAN (2 OF 2)	12/07/2018	04/04/2019
PRELIMINARY EROSION AND SEDIMENT CONTROL PLAN	01/03/2019	04/04/2019
EXISTING CONDITIONS & DEMOLITION PLAN	01/03/2019	04/04/2019
ROAD PROFILES	01/03/2019	04/04/2019
CONSTRUCTION DETAILS	01/03/2019	04/04/2019
TREE PRESERVATION PLAN	01/03/2019	04/04/2019
	PRELIMINARY OVERALL SITE PLAN PRELIMINARY SITE PLAN—PART PLAN PRELIMINARY GRADING AND UTILITY PART PLAN (1 OF 2) PRELIMINARY GRADING AND UTILITY PART PLAN (2 OF 2) PRELIMINARY EROSION AND SEDIMENT CONTROL PLAN EXISTING CONDITIONS & DEMOLITION PLAN ROAD PROFILES CONSTRUCTION DETAILS	TITLE SHEET, LOCATION MAP & VICINITY MAP  PRELIMINARY OVERALL SITE PLAN  PRELIMINARY SITE PLAN—PART PLAN  PRELIMINARY GRADING AND UTILITY PART PLAN (1 OF 2)  PRELIMINARY GRADING AND UTILITY PART PLAN (2 OF 2)  PRELIMINARY EROSION AND SEDIMENT CONTROL PLAN  EXISTING CONDITIONS & DEMOLITION PLAN  ROAD PROFILES  CONSTRUCTION DETAILS  O1/03/2019

LAST REVISED

- OTES: 1. THIS IS A SITE PLAN OF LOT 1, BLOCK 1, SECTION 59.10 OF THE TOWN OF CLARKSTOWN TAX MAPS
- AREA OF TRACTS: 27.1 AC (1,180,000 SF)
  ZONE: LO
- RECORD OWNER: TILCON MINERALS INC.
  APPLICANT: SUEZ NEW YORK (LESEE)
- 5. FIRE DISTRICT: VALLEY COTTAGE, WEST NYACK FD015 7. SCHOOL DISTRICT: CLARKSTOWN CENTRAL SCHOOL DISTRICT 1, NYACK UNION FREE SCHOOL DIS
- 9. WATER SUPPLY: SUEZ WATER COMPANY.
  10. SEWER DISTRICT: CLARKSTOWN MSD SD012
- 11. DATUM: NAVD88
  12. ALL UTILITIES SHALL BE INSTALLED UNDERGROUND.
- 13. BUILDING PERMITS SHALL SHOW LOWEST FLOOR ELEVATIONS SUBJECT TO APPROVAL AND INSPECTION BY THE DEPARTMENT OF ENVIRONMENTAL CONTROL.
- 14. ALL PARKING SPACES SHALL BE 10' X 19.6'.
  15. APPLICANT SHALL CONFORM TO EROSION AND SEDIMENT CONTROL PLAN ON FILE IN THE DEPARTMENT OF
- ENVIRONMENTAL CONTROL.

  16. ALL SCREENING AND LANDSCAPING SHALL CONFORM TO REQUIREMENTS OF THE ARCHITECTURE AND LANDSCAPE COMMISSION AND LANDSCAPING PLANS SHALL BE APPROVED BY ARCHITECTURE AND HISTORIC REVIEW BOARD (AHRB). PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE BUILDING INSPECTOR, THE REGISTERED LANDSCAPE ARCHITECT WILL CERTIFY THAT THE WORK ON THE SITE HAS BEEN COMPLETED IN ACCORDANCE WITH THE APPROVED PLAN ON FILE WITH THE TOWN. A WRITTEN THREE YEAR GUARANTEE SHALL BE PROVIDED BY THE APPLICANT TO THE DEPARTMENT OF ENVIRONMENTAL CONTROL/ARCHITECTURE AND LANDSCAPE COMMISSION, STATING THAT ALL PLANTS
- WHICH DIE OR ARE LIKELY TO DIE WITHIN THE GUARANTEE PERIOD WILL BE REPLACED. THE CERTIFICATE OF OCCUPANCY MAY BE REVOKED FOR FAILURE TO HONOR THE TERMS OF THE GUARANTEE.

  17. LIGHT SOURCES OF ALL LIGHTING FIXTURES SHALL NOT BE VISIBLE FROM STREETS OR PRIVATE DRIVEWAYS, AND SHALL
- 17. LIGHT SOURCES OF ALL LIGHTING FIXTURES SHALL NOT E NOT CREATE GLARE ONTO ADJOINING PROPERTIES.
- 18. ALL CURBING SHALL BE CONCRETE.
   19. NO BUILDING PERMIT FOR A BUILDING SUBJECT TO SITE PLAN APPROVAL SHALL BE ISSUED BY THE BUILDING INSPECTOR EXCEPT UPON AUTHORIZATION OF AND IN CONFORMITY WITH THE SITE PLAN APPROVED BY THE PLANNING BOARD.

APPROVED BY RESOLUTION OF THE TOWN OF CLARKSTOWN PLANNING

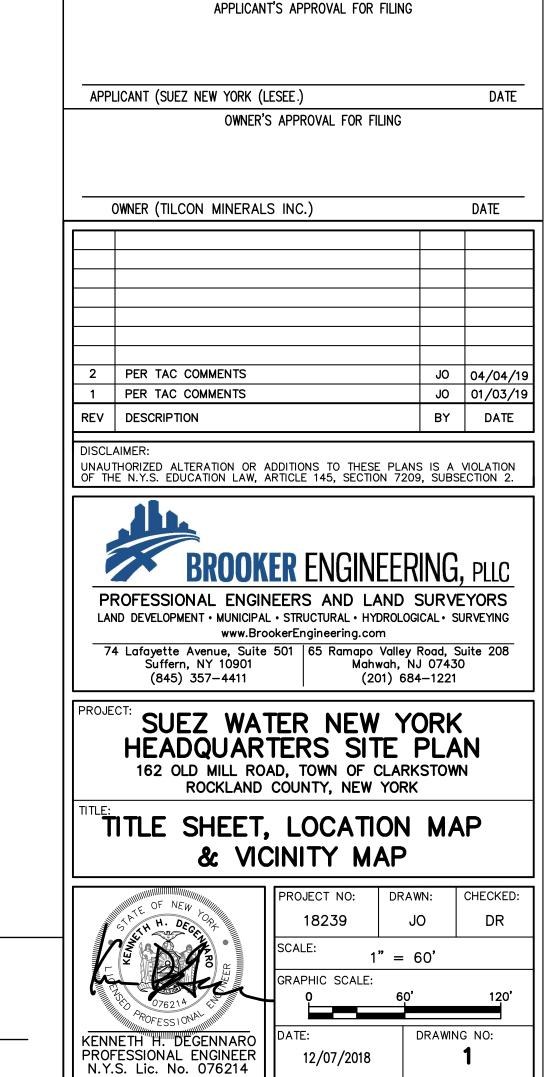
CHAIRPERSON

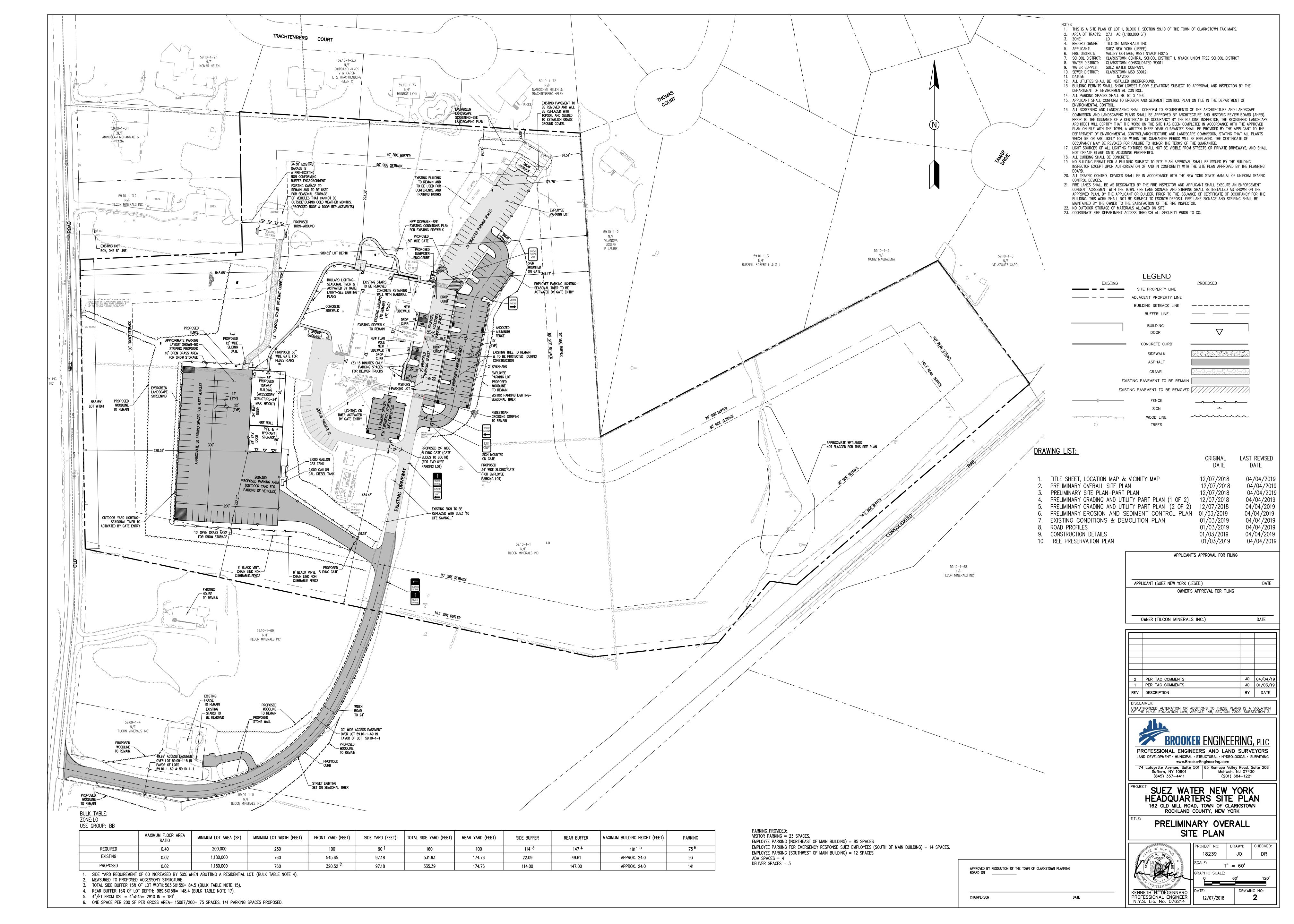
DATE

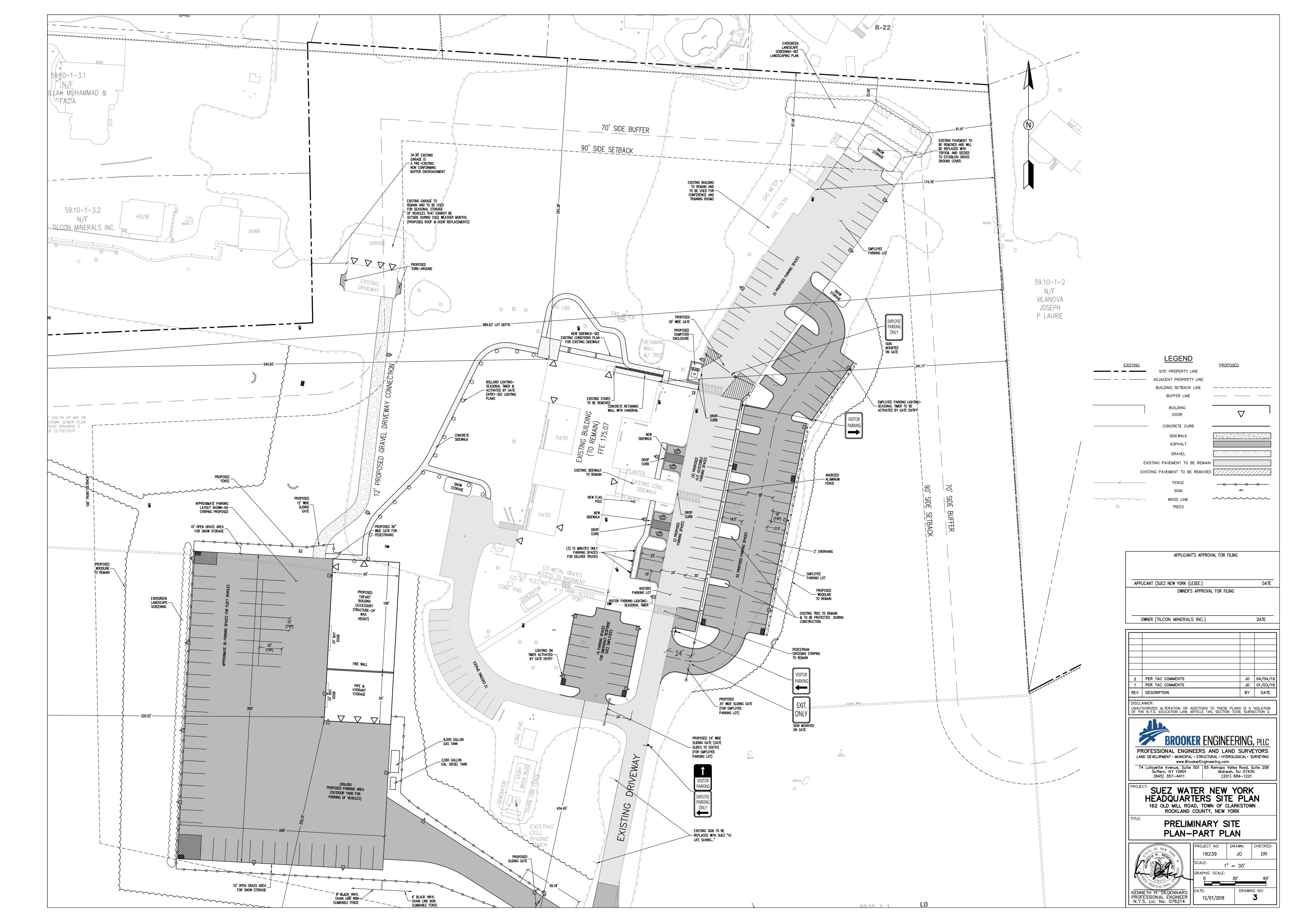
- 20. ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE NEW YORK STATE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
  21. FIRE LANES SHALL BE AS DESIGNATED BY THE FIRE INSPECTOR AND APPLICANT SHALL EXECUTE AN ENFORCEMENT CONSENT AGREEMENT WITH THE TOWN. FIRE LANE SIGNAGE AND STRIPING SHALL BE INSTALLED AS SHOWN ON THE APPROVED PLAN, BY THE APPLICANT OR BUILDER, PRIOR TO THE ISSUANCE OF CERTIFICATE OF OCCUPANCY FOR THE BUILDING. THIS WORK SHALL NOT BE SUBJECT TO ESCROW DEPOSIT. FIRE LANE SIGNAGE AND STRIPING SHALL BE
- MAINTAINED BY THE OWNER TO THE SATISFACTION OF THE FIRE INSPECTOR.

  22. NO OUTDOOR STORAGE OF MATERIALS ALLOWED ON SITE.

  23. COORDINATE FIRE DEPARTMENT ACCESS THROUGH ALL SECURITY PRIOR TO CO.

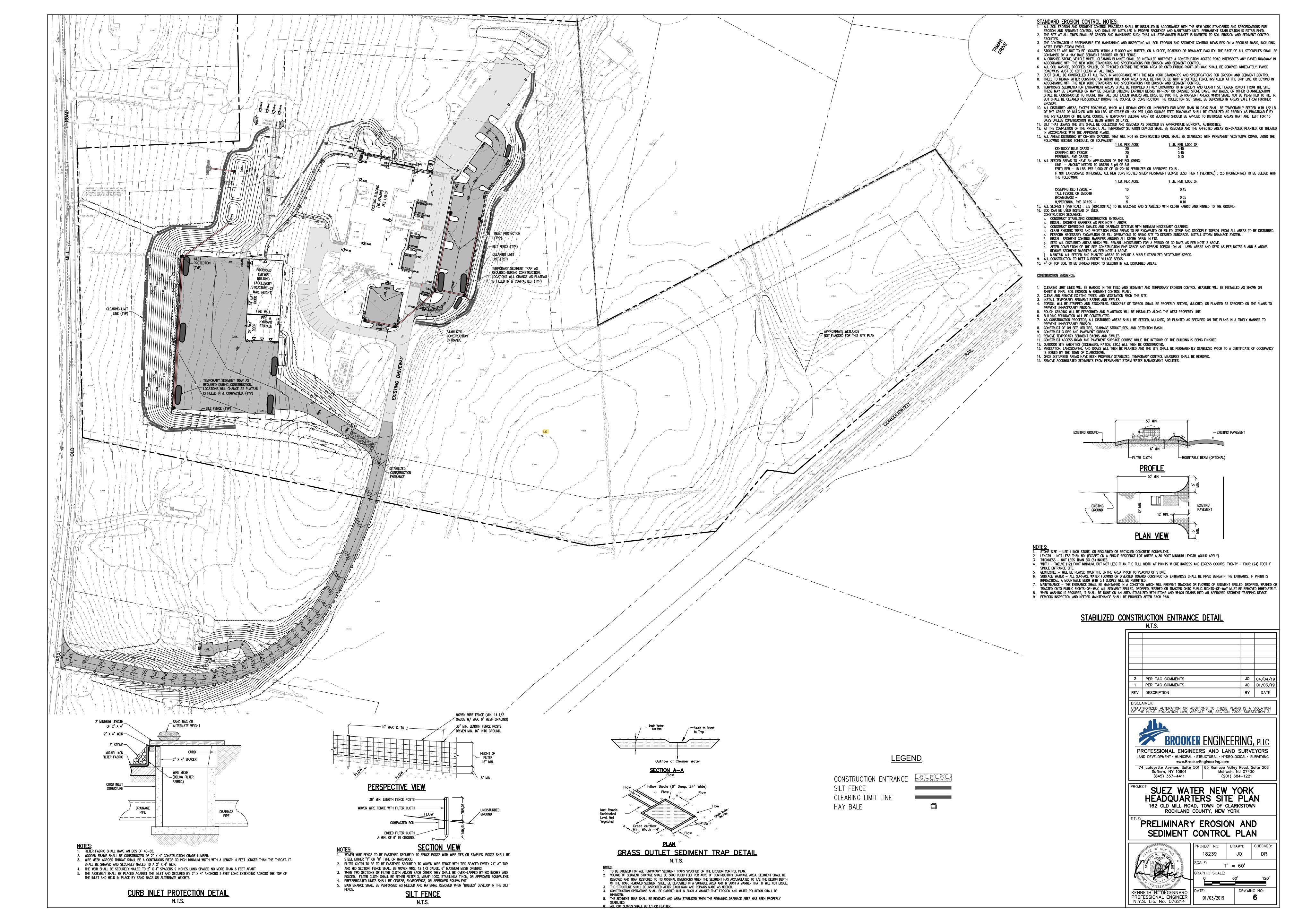




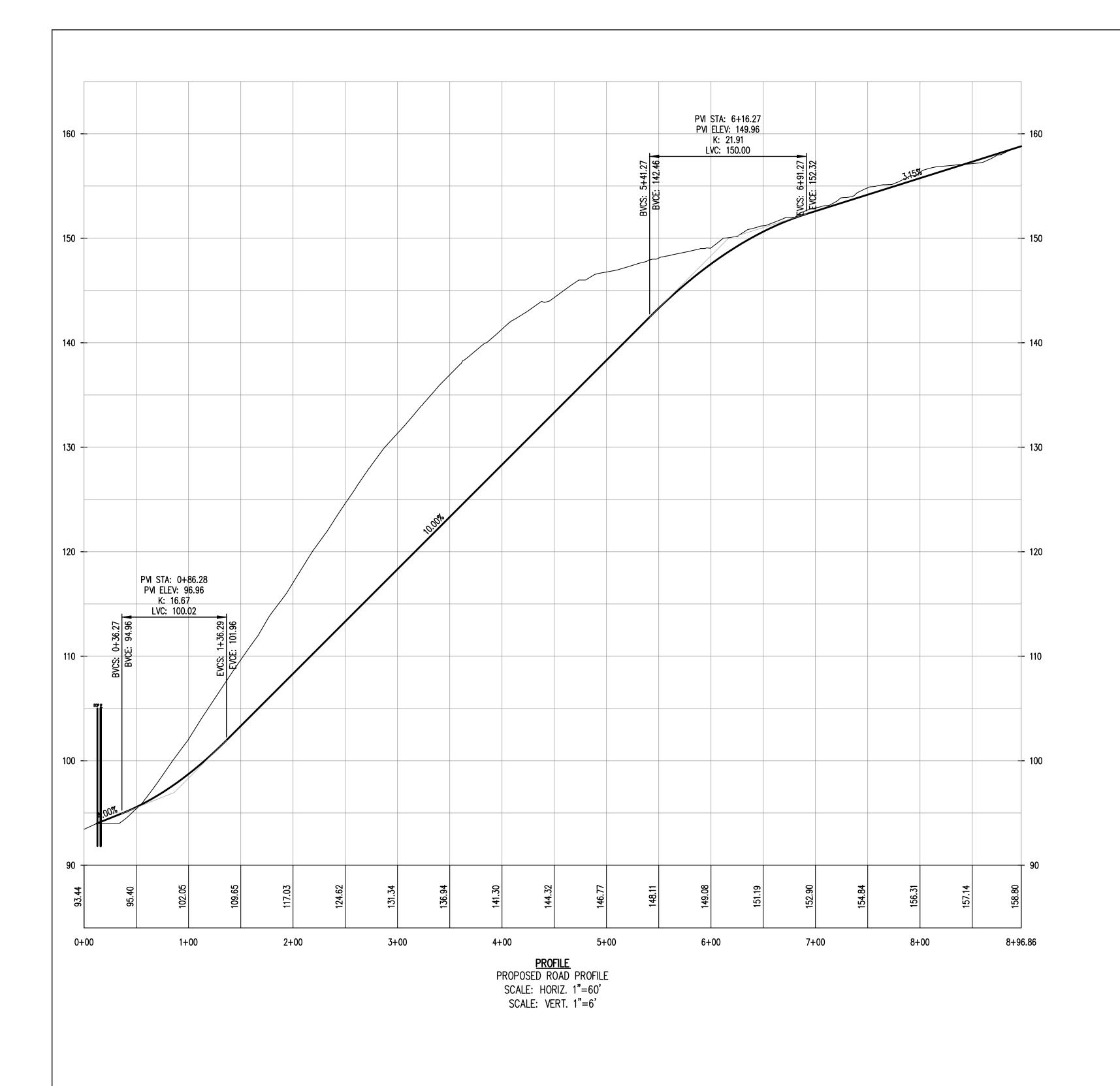


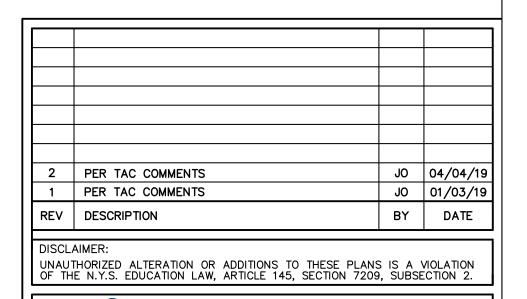












PROFESSIONAL ENGINEERS AND LAND SURVEYORS

LAND DEVELOPMENT • MUNICIPAL • STRUCTURAL • HYDROLOGICAL • SURVEYING

www.BrookerEngineering.com

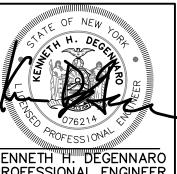
74 Lafayette Avenue, Suite 501 | 65 Ramapo Valley Road, Suite 208

Suffern, NY 10901 | Mahwah, NJ 07430

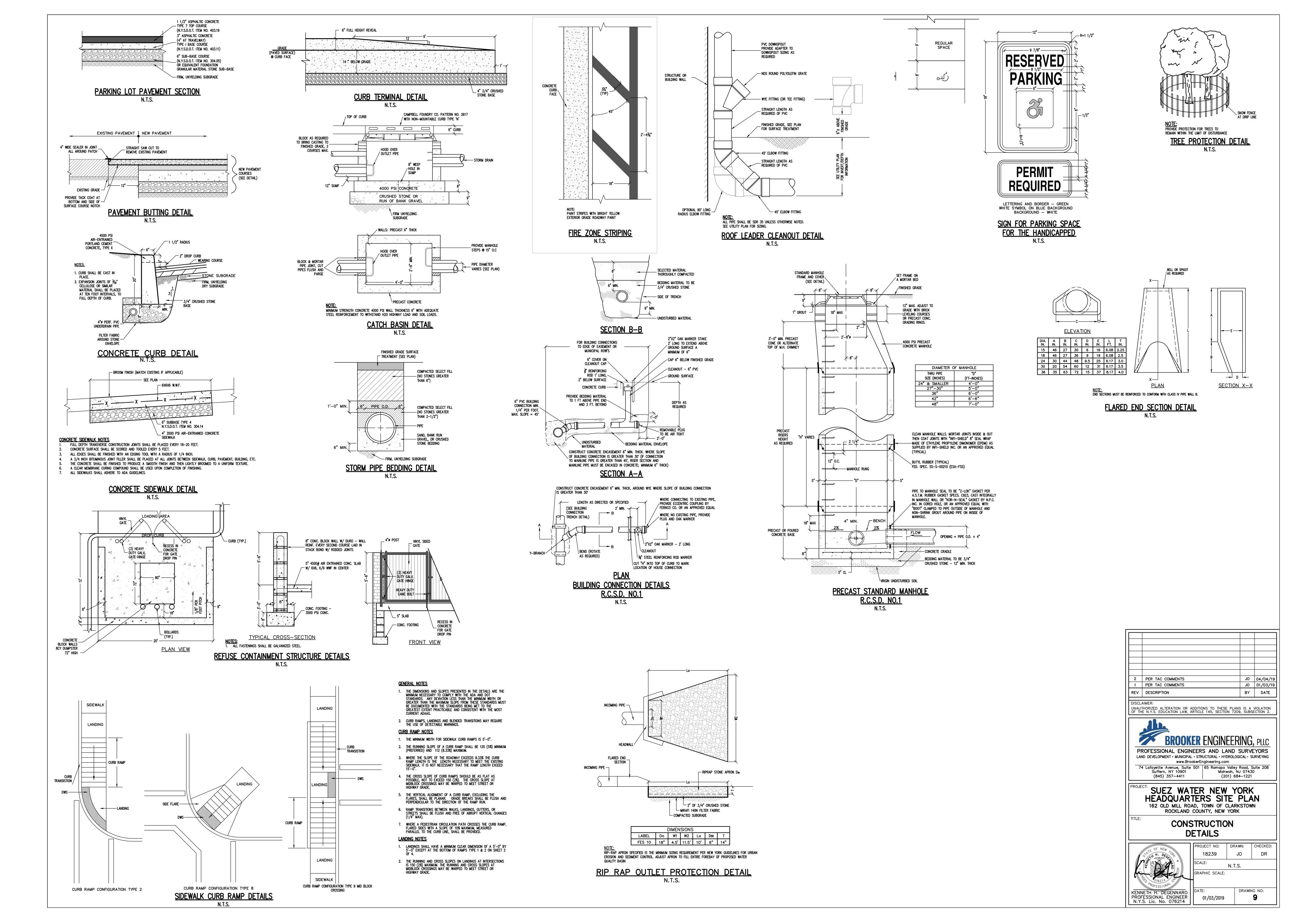
(845) 357-4411 | (201) 684-1221

SUEZ WATER NEW YORK
HEADQUARTERS SITE PLAN
162 OLD MILL ROAD, TOWN OF CLARKSTOWN
ROCKLAND COUNTY, NEW YORK

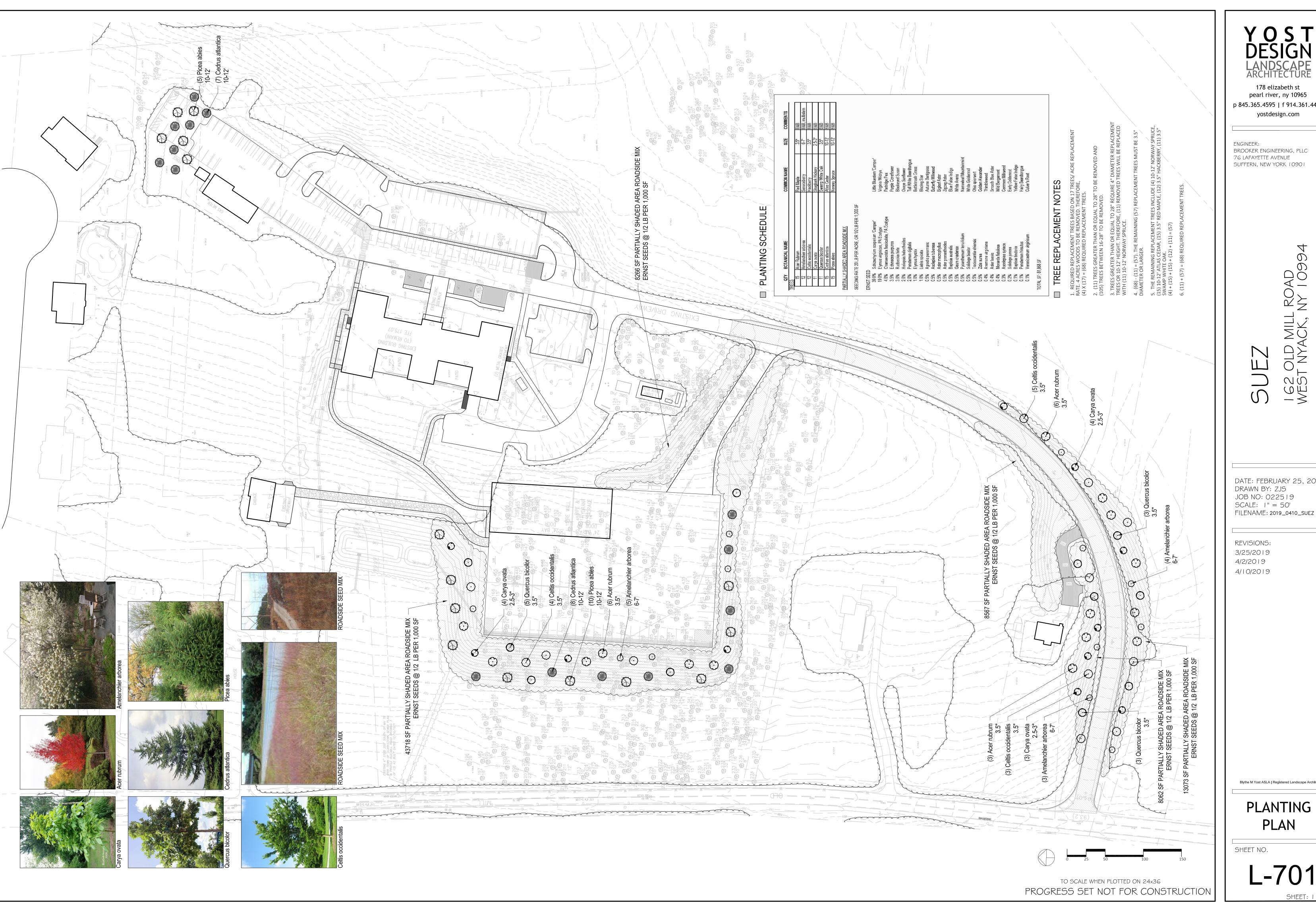
PRELIMINARY ROAD **PROFILE** 



OF NEW	PROJECT NO:	DRAWN:	CHECKED:
SAL H. DEGE	18239	JO	DR
KEN H. DEGGER AND A STATE OF NEW LOOP AND A STATE OF NEW LOOP AND A STATE OF	SCALE:	" = 60'	
07621 <sup>4</sup> (7)	GRAPHIC SCALE: 0	60'	120'
KENNETH H. DEGENNARO	DATE:	DRAWIN	NG NO:
PROFESSIONAL ENGINEER N.Y.S. Lic. No. 076214	01/03/2019		8







178 elizabeth st pearl river, ny 10965 p 845.365.4595 | f 914.361.4473

ENGINEER: BROOKER ENGINEERING, PLLC 7G LAFAYETTE AVENUE SUFFERN, NEW YORK 10901

162 OLD MILL ROAD WEST NYACK, NY 10994

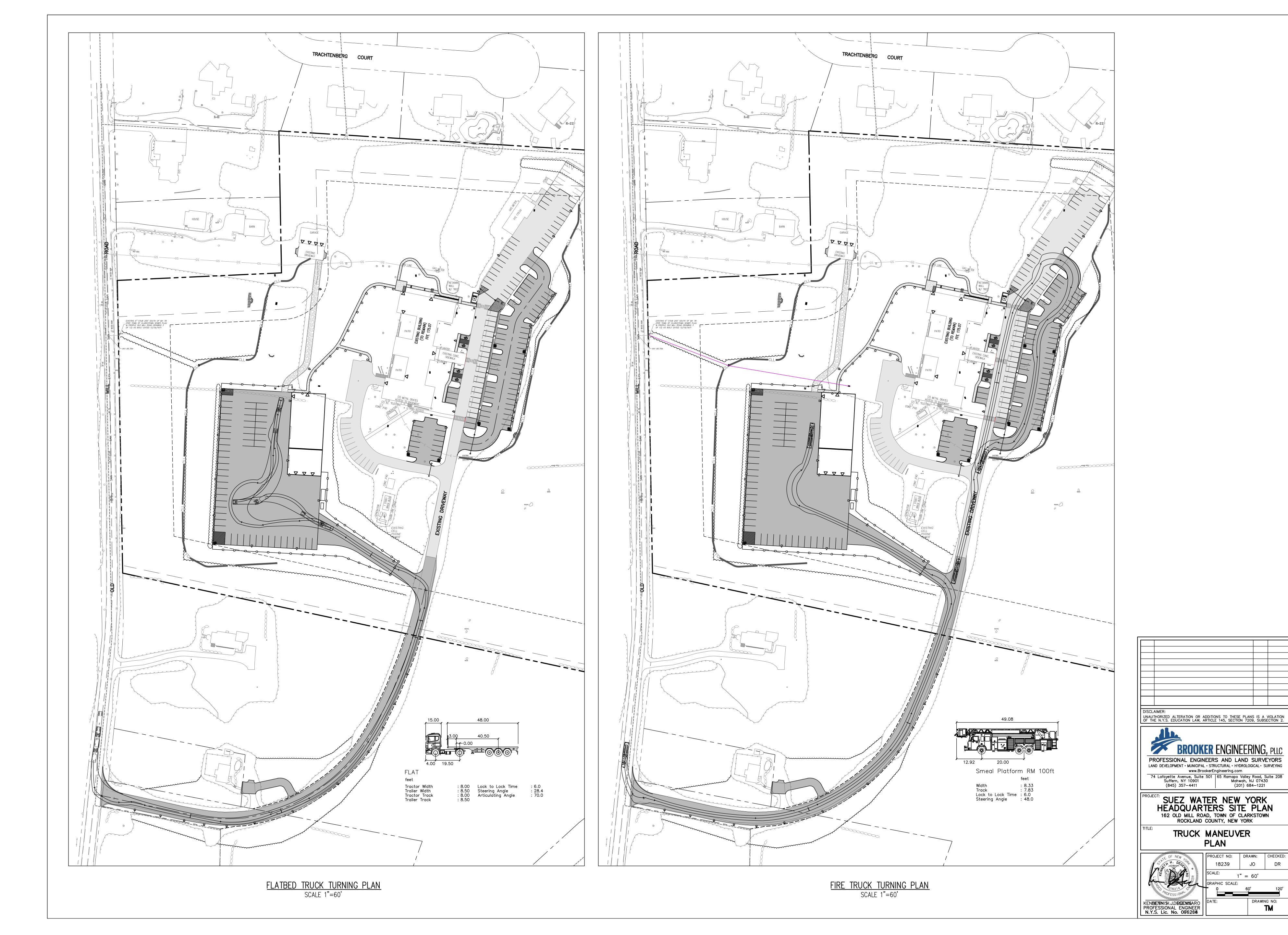
DATE: FEBRUARY 25, 2019 DRAWN BY: ZJS JOB NO: 022519 SCALE: I" = 50'

**REVISIONS:** 3/25/2019 4/2/2019

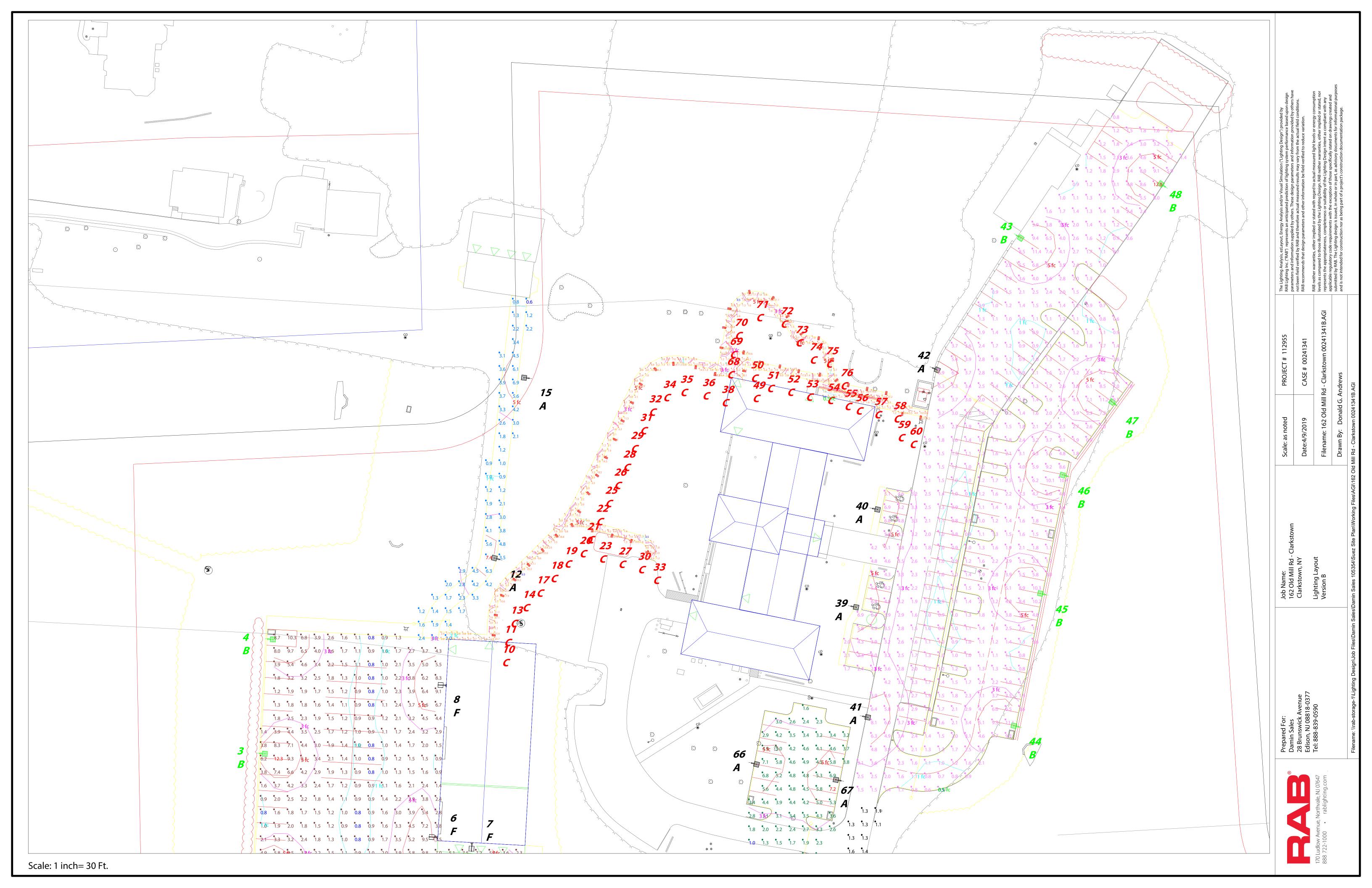
Blythe M Yost ASLA | Registered Landscape Architect

PLANTING PLAN

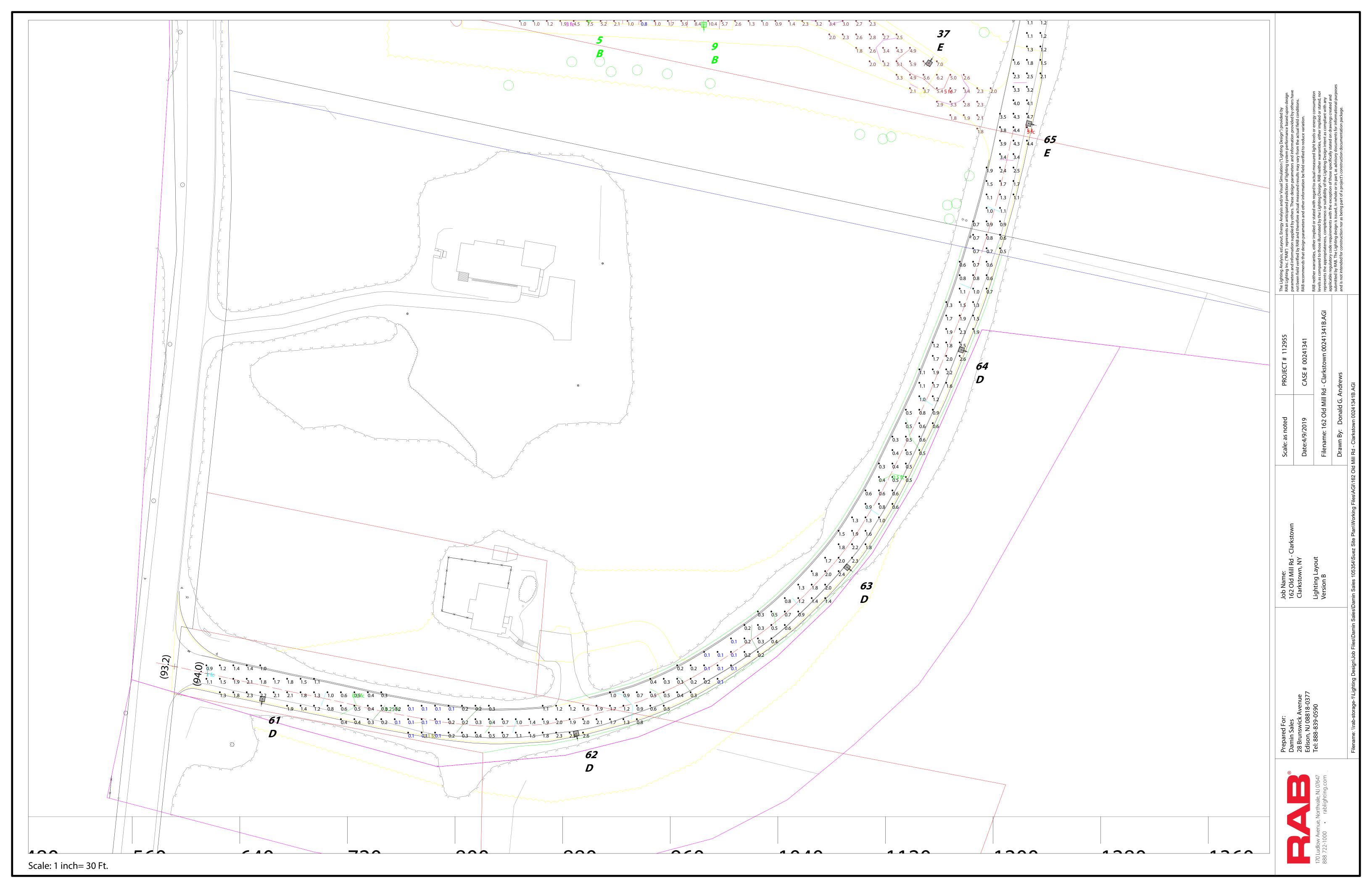
SHEET NO.

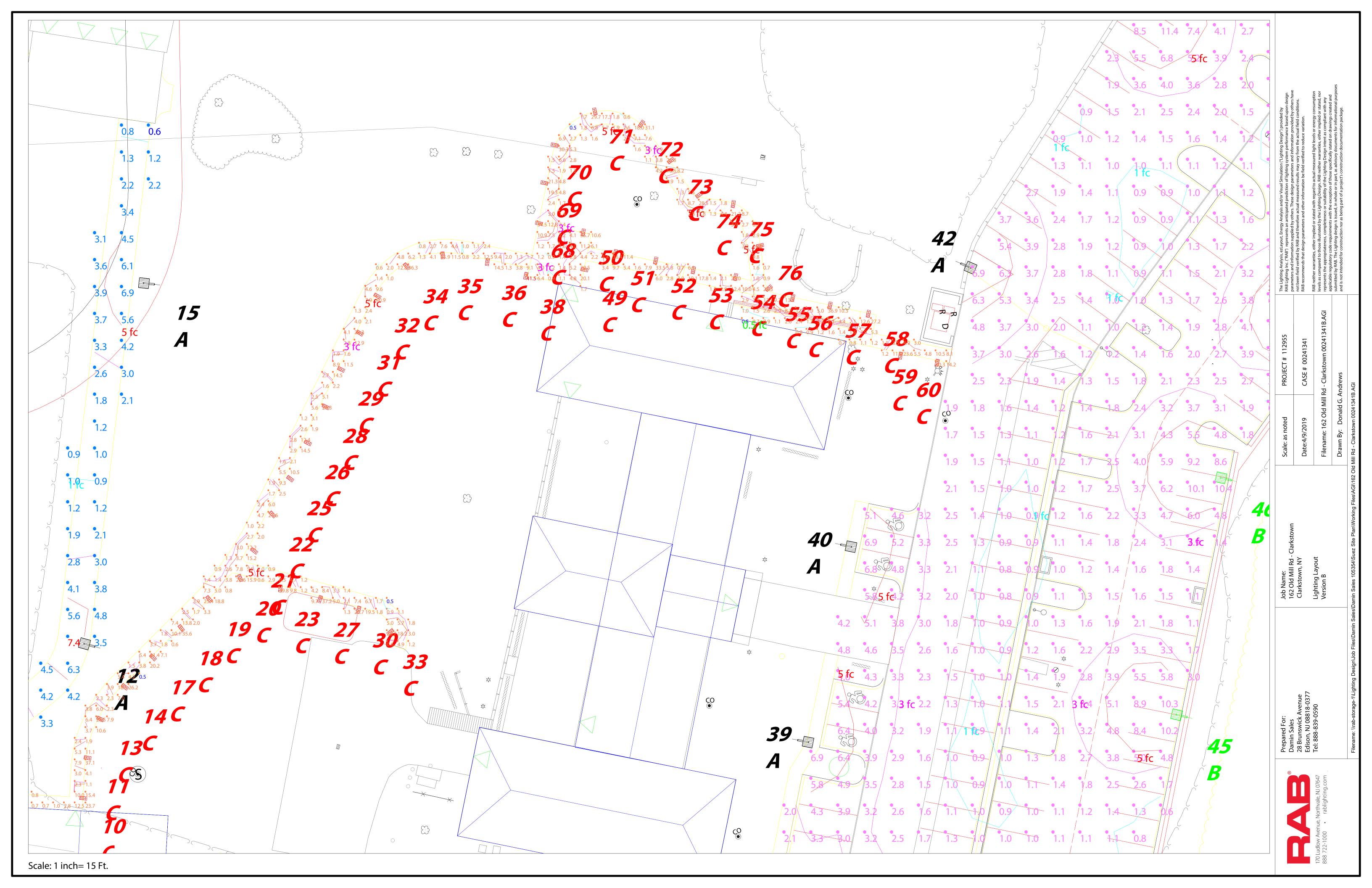


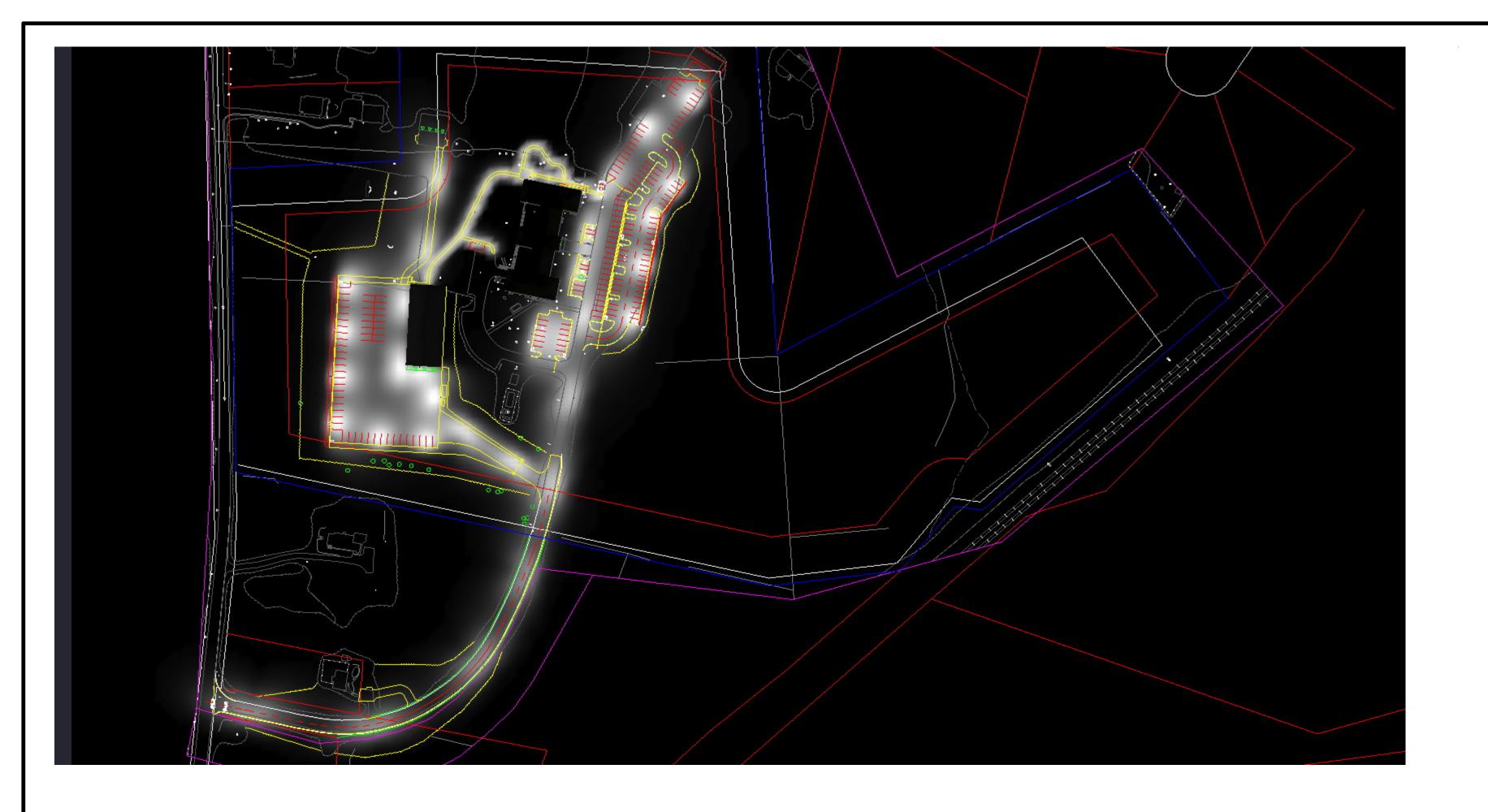




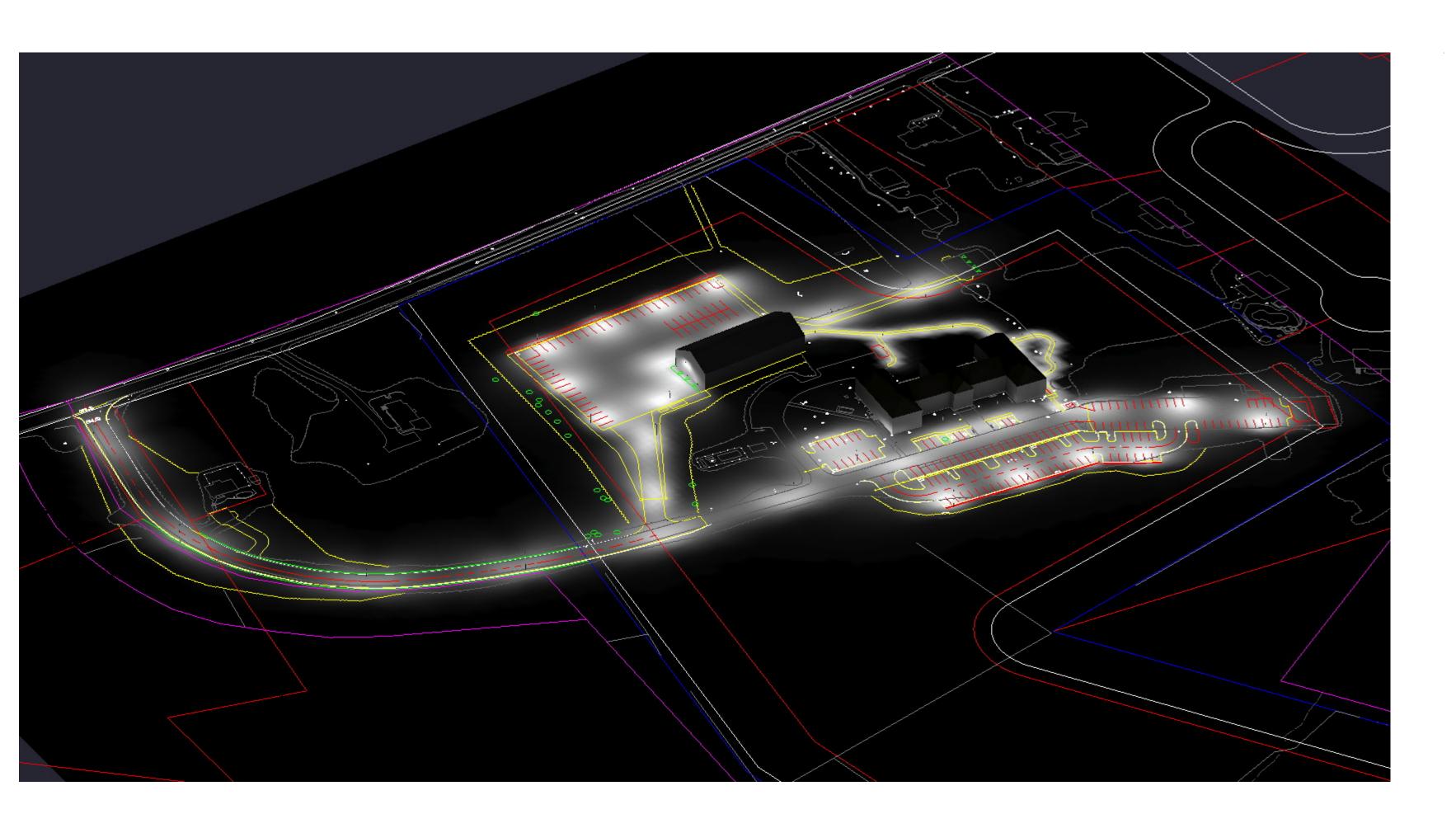


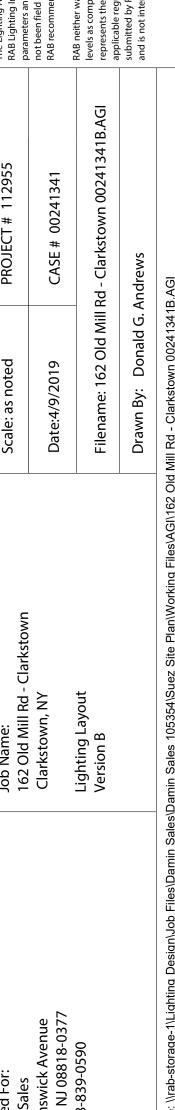


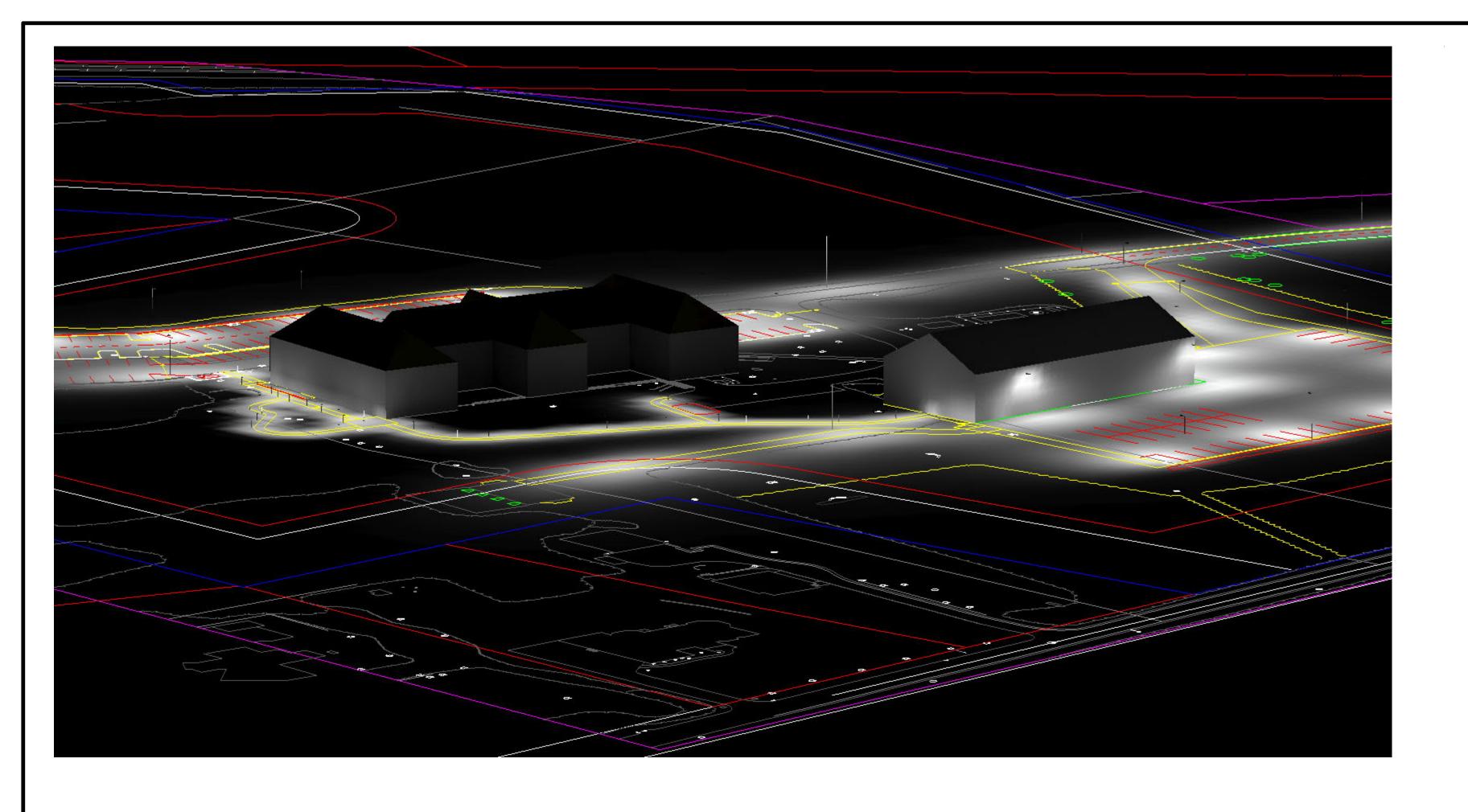




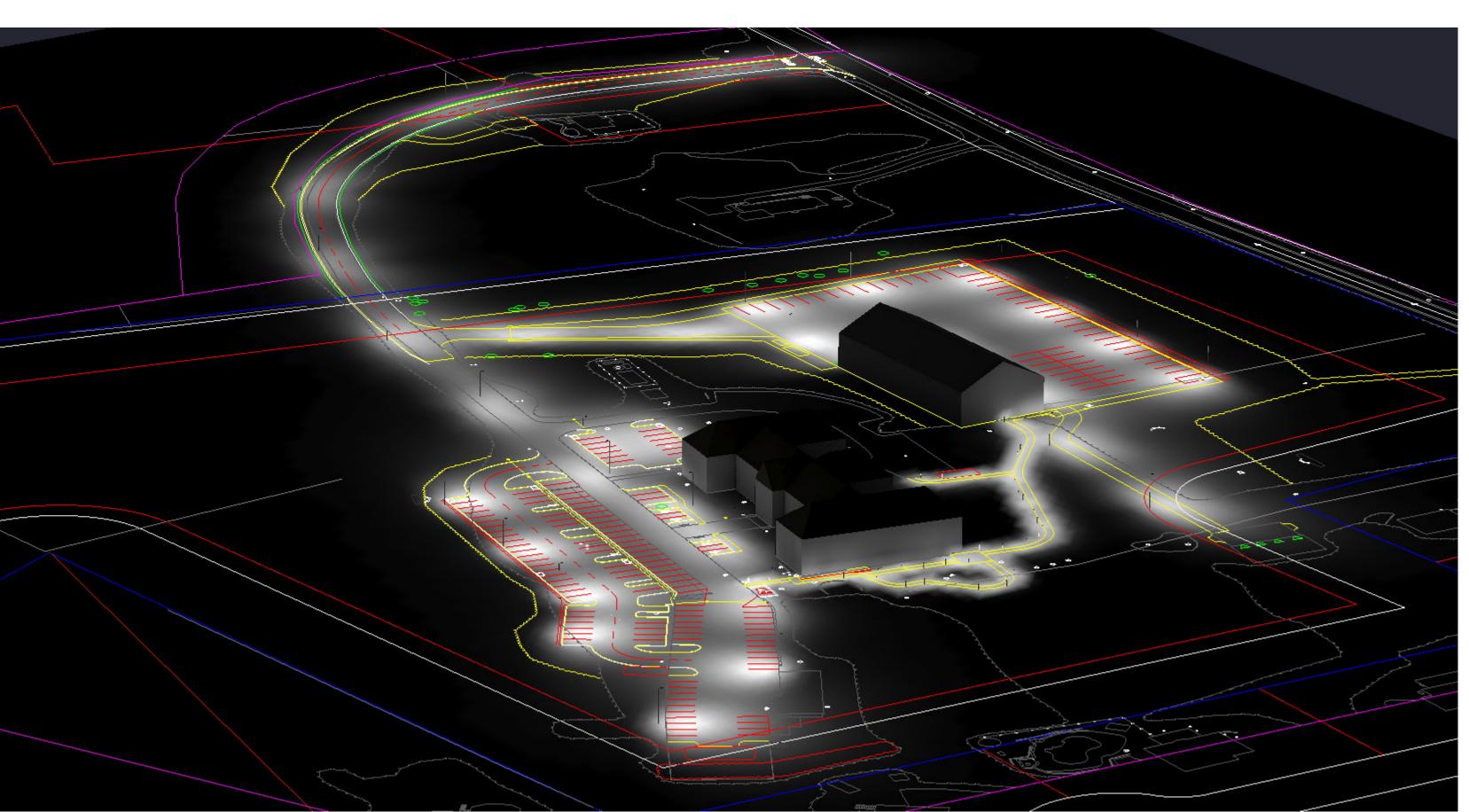
RenderViewpoint\_1

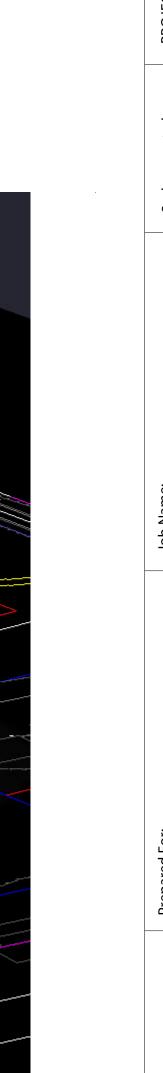






RenderViewpoint\_3





<b>Calculation Summar</b>	Calculation Summary										
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	Description	PtSpcLr	PtSpcTb	Meter Type
Access Drive	Illuminance	Fc	2.82	7.4	0.6	4.70	12.33		10	10	Horizontal
Parking Lot 1	Illuminance	Fc	3.78	7.2	1.0	3.78	7.20	Security Gate	10	10	Horizontal
Parking Lot 4-5	Illuminance	Fc	2.70	12.0	0.5	5.40	24.00	4 timer, 5 timer & security gate	10	10	Horizontal
Parking Lot 6	Illuminance	Fc	3.18	12.3	0.8	3.98	15.38	Timer & Security Gate	10	10	Horizontal
Roadway	Illuminance	Fc	1.37	5.1	0.1	13.70	51.00	Readings taken @ 0'-0" AFG	10	10	Horizontal
Walkway	Illuminance	Fc	7.15	41.5	0.5	14.30	83.00		4	4	Horizontal

Isoline Legend					
Illuminance (Fc)					
Color	Value				
	0.1				
	0.25				
	0.5				
	1				
	3				
	5				

<b>Luminaire Tag Summary</b>		
Tag	Qty	
A	8	
В	13	
С	45	
D	4	
E	4	
F	3	

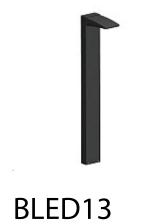
Luminair	e Sched	dule All quotes/orders generated from this layout must be forwarded to the Local Rep Agency								
Symbol	Qty	Tag	Label	Arrangement	LLF	Description	<b>BUG Rating</b>	Lum. Watts	<b>Total Watts</b>	Lum. Lumens
-	8	Α	ALED3T150 D10 LC	SINGLE	1.000	Pole Mount - Type III, 0-10v Dimming Driver, Lightcloud Controller	B1-U0-G3	155.2	1241.6	16839
-	13	В	ALED4T150 D10 LC	SINGLE	1.000	Pole Mount - Type IV, 0-10v Dimming Driver, Lightcloud Controller	B1-U0-G3	155.8	2025.4	18464
	45	С	BLED13	SINGLE	1.000	Bollard	B1-U1-G0	14.8	666	1197
-	4	D	ALED2T78 D10 LC	SINGLE	1.000	Pole Mount - Type II, 0-10v Dimming Driver, Lightcloud Controller	B1-U0-G2	77.9	311.6	9552
-	4	E	ALED2T150 D10 LC	SINGLE	1.000	Pole Mount Type II, 0-10v Dimming Driver, Lightcloud Controller	B2-U0-G3	153.2	612.8	17834
	3	F	WPLED3T150 D10 LC	SINGLE	1.000	Wall Mount - Type III, 0-10v Dimming Driver, Lightcloud Controller	B1-U0-G3	155.2	465.6	16839







ALED4T150 D10 LC



ALED2T78 D10 LC



ALED2T150 D10 LC



WPLED3T150 D10 LC

# NOTES:

\* The light loss factor (LLF) is a product of many variables, only lamp lumen depreciation (LLD) has been applied to the calculated results unless otherwise noted. The LLD is the result (quotient) of mean lumens / initial lumens per lamp manufacturers' specifications.

\* Illumination values shown (in footcandles) are the predicted results for planes of calculation either horizontal, vertical or inclined as designated in the calculation summary. Meter orientation is normal to the plane of calculation.

\* The calculated results of this lighting simulation represent an anticipated prediction of system performance. Actual measured results may vary from the anticipated performance and are subject to means and methods which are beyond the control of RAB Lighting Inc.

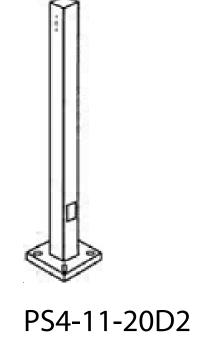
\* Mounting height determination is job site specific, our lighting simulations assume a mounting height (insertion point of the luminaire symbol) to be taken at the top of the symbol for ceiling mounted luminaires and at the bottom of the symbol for all other luminaire mounting configurations.

\* It is the Owner's responsibility to confirm the suitability of the existing or proposed poles and bases to support the proposed fixtures, based on the weight and EPA of the proposed fixtures and the owner's site soil conditions and wind zone. It is recommended that a professional engineer licensed to practice in the state the site is located be engaged to assist in this determination.

\* The landscape material shown hereon is conceptual, and is not intended to be an accurate representation of any particular plant, shrub, bush, or tree, as these materials are living objects, and subject to constant change. The conceptual objects shown are for illustrative purposes only. The actual illumination values measured in the field will vary.

\* Photometric model elements such as buildings, rooms, plants, furnishings or any architectural details which impact the dispersion of light must be detailed by the customer documents for inclusion in the RAB lighting design model. RAB is not responsible for any inaccuracies caused by incomplete information on the part of the customer, and reserves the right to use best judgement when translating customer requests into photometric studies.

\* RAB Lighting Inc. luminaire and product designs are protected under U.S. and International intellectual property laws. Patents issued or pending apply.



02

PS4-07-25D2

PROPOSED POLES TO BE MOUNTED ON 30" TALL CONCRETE BASE.

BASE TO BE DESIGNED BY OTHERS.

Edison, NJ 08818-0377

Edison, NJ 08818-0377

Tel: 888-839-0590

Version B

Expande LumNo		naire Location	Y	MTG HT	Orient	Tilt
.umivo	Tag		_	+		-
<u> </u>	В	805.602	233.017	22.5	356.835	0
2	В	811.569	318.023	22.5	356.835	0
3	В	817.535	403.03	22.5	356.835	0
4	В	823.502	488.036	22.5	356.835	0
5	В	899.508	189.571	22.5	90	0
6	F	947.611	340.739	20	176.835	0
7	F	975.235	334.368	20	266.835	0
, 8	F	954.224	453.718	20	176.835	0
9	В					
		985.093	184.837	22.5	89.09	0
10	С	992.154	490.824	3.5	173.987	0
11	С	993.746	505.775	3.5	169.956	0
12	Α	995.805	547.196	22.5	164.525	0
13	C	998.425	520.113	3.5	155.959	0
14	С	1007.455	531.925	3.5	140.992	0
15	Α	1018.009	681.836	22.5	173.5	0
16	В	1014.934	279.294	22.5	180	0
						_
17	C	1017.882	542.782	3.5	134.936	0
18	С	1028.323	553.644	3.5	127.237	0
19	С	1038.693	564.447	3.5	130.23	0
20	С	1050.093	572.184	3.5	112.067	0
21	С	1055.574	582.424	3.5	143.07	0
22	С	1062.311	595.92	3.5	133.155	0
 23	C	1064.795	568.272	3.5	85.027	0
24	E	1060.139	224.136	22.5	237.386	0
				+		
25	C	1068.928	609.28	3.5	143.922	0
26	С	1075.563	622.639	3.5	153.597	0
27	С	1079.377	564.303	3.5	72.168	0
28	C	1082.243	636.07	3.5	153.597	0
29	C	1087.935	649.965	3.5	153.597	0
30	С	1093.807	560.367	3.5	77.007	0
31	С	1094.827	663.419	3.5	149.044	0
32	C	1101.391	677.186	3.5	149.634	0
				+		
33	С	1105.278	552.276	3.5	40.351	0
34	С	1112.105	688.119	3.5	130.233	0
35	С	1125.185	692.027	3.5	91.742	0
36	С	1141.702	689.528	3.5	81.885	0
37	E	1154.593	163.28	22.5	237.386	0
38	C	1155.97	684.407	3.5	78.374	0
39	Α	1257.169	512.466	22.5	348.752	0
40	Α	1273.147	585.127	22.5	348.475	0
41	Α	1265.86	430.646	22.5	348.379	0
		1317.798		+		0
42	A		689.587	22.5	336.522	
43	В	1380.143	788.192	22.5	326.36	0
44	В	1382.103	422.721	22.5	166.76	0
45	В	1401.819	520.997	22.5	166.76	0
46	В	1418.278	609.032	22.5	166.76	0
47	В	1454.355	661.851	22.5	142.641	0
48	В	1490.893	824.089	22.5	146.183	0
49	C	1178.401	687.197	3.5	170.07	0
				+		
50 51	С	1177.521	701.693	3.5	257.966	0
51	С	1189.497	694.014	3.5	257.966	0
52	С	1204.473	691.216	3.5	257.966	0
53	С	1218.46	687.641	3.5	257.966	0
54	С	1234.14	685.124	3.5	257.966	0
55	С	1246.826	680.783	3.5	220.722	0
56	С	1255.403	677.328	3.5	257.966	0
57	C	1269.273	674.511	3.5	257.966	0
57 58	С	1283.525	671.442	3.5	257.966	0
				+		
59	С	1295.22	654.793	3.5	78.374	0
60	С	1308.852	652.137	3.5	78.374	0
61	D	656.208	-316.102	27.5	79.696	0
62	D	890.933	-341.714	27.5	102.995	0
63	D	1094.326	-216.886	27.5	140.87	0
64	D	1179.974	-54.198	27.5	162.372	0
65	E	1230.381	114.211	27.5	165.426	0
66 66	_	1183.218		+	345.831	0
_	A	וו כטוו ו	395.89	22.5	_ <td>1 1 1</td>	1 1 1

LumNo	Tag	X	Υ	MTG HT	Orient	Tilt
67	Α	1249.836	382.712	22.5	168.93	0
68	С	1160.394	704.627	3.5	348.481	0
69	C	1162.417	719.613	3.5	348.481	0
70	С	1166.225	733.697	3.5	348.481	0
71	С	1181.626	746.654	3.5	283.16	0
72	С	1199.391	741.972	3.5	235.887	0
73	С	1210.441	728.159	3.5	216.202	0
74	C	1220.944	715.382	3.5	216.202	0
75	С	1233.282	712.213	3.5	260.539	0
76	С	1243.735	696.352	3.5	191.62	0
77	E	1261.103	277.706	27.5	165.426	0

wn 00241341B.AGI مر CASE # 112955 CASE # 112955 CASE # 112955 عبر CASE # 00241341 مبرد 162 Old Mill Rd - Clarkstown سرد الملادة الملاد PROJECT # 112955 Date: Job Name: 162 Old Mill Rd - Cla Clarkstown, NY Lighting Layout Version B



Project: Type:
Prepared By: Date:

Square steel poles drilled for 2 Area Lights at 180°. Designed for ground mounting. Poles are stocked nationwide for quick shipment. Protective packaging ensures poles arrive at the job site good as new.

Color: Bronze Weight: 240.0 lbs

# **Technical Specifications**

#### Listings

#### **CSA Listed:**

Suitable for wet locations

#### Construction

# Shaft:

46,000 p.s.i. minimum yield.

# Hand Holes:

Reinforced with grounding lug and removable cover

## Base Plates:

36,000 p.s.i. minimum yield.

#### **Shipping Protection:**

All poles are shipped in individual corrugated cartons to prevent finish damage

#### Color:

Bronze powder coating

#### Height:

25 FT

#### Weight:

240 lbs

# Gauge:

7

#### Wall Thickness:

2/16"

# Shaft Size:

4"

#### **Hand Hole Dimensions:**

3" x 5"

# **Bolt Circle:**

8 1/2"

#### **Base Dimension:**

8"

# **Anchor Bolt:**

Galvanized anchor bolts and galvanized hardware and anchor bolt template. All bolts have a 3" hook.

#### **Anchor Bolt Templates:**

WARNING Template must be printed on 11" x 17" sheet for actual size. CHECK SCALE BEFORE USING. Templates shipped with anchor bolts and available

 $www.rablighting.com/downloads/instructions/poles4.pd f"\ target="\_blank.$ 

#### **Pre-Shipped Anchor Bolts:**

Bolts can be pre-shipped upon request for additional freight charge

# Max EPA's/Max Weights:

70MPH 10.7 ft./245 lb. 80MPH 7.2 ft./165 lb. 90MPH 4.7 ft./110 lb. 100MPH 2.9 ft./65 lb. 110MPH 1.4 ft.\_/35 lb. 120MPH 0.3 ft./10 lb..

#### Accessories:

Anchor Bolts: www.rablighting.com/product/ABK4-07

# **Technical Specifications (continued)**

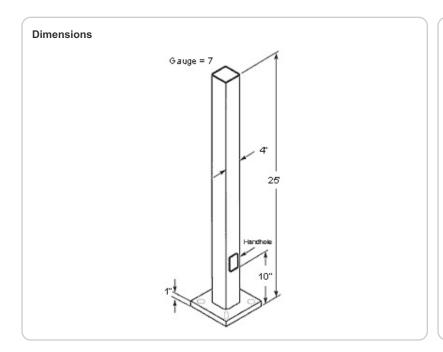
#### Other

#### Terms of Sale:

Pole Terms of Sale is available .

#### **Buy American Act Compliance:**

RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.



# **Features**

Designed for ground mounting

Heavy duty TGIC polyester coating

Reinforced hand holes with grounding lug and removable cover for easy wiring access

Anchor Bolt Kit includes pole cap and base cover (sold separately)

Custom manufactured for each application



Project: Type:

Prepared By: Date:

Square steel poles drilled for 2 Area Lights at 180°. Designed for ground mounting. Poles are stocked nationwide for quick shipment. Protective packaging ensures poles arrive at the job site good as new.

Color: Bronze Weight: 136.7 lbs

# **Technical Specifications**

#### Listings

#### **CSA Listed:**

Suitable for wet locations

#### Construction

# Shaft:

46,000 p.s.i. minimum yield.

# **Hand Holes:**

Reinforced with grounding lug and removable cover

## Base Plates:

Slotted base plates 36,000 p.s.i.

# **Shipping Protection:**

All poles are shipped in individual corrugated cartons to prevent finish damage

#### Color:

Bronze powder coating

#### Height:

20 FT

#### Weight:

137 lbs

#### Gauge:

11

#### Wall Thickness:

...

## Shaft Size:

4"

#### **Hand Hole Dimensions:**

3" x 5"

# **Bolt Circle:**

8 1/2"

#### **Base Dimension:**

8"

#### **Anchor Bolt:**

Galvanized anchor bolts and galvanized hardware and anchor bolt template. All bolts have a 3" hook.

#### **Anchor Bolt Templates:**

WARNING Template must be printed on 11" x 17" sheet for actual size. CHECK SCALE BEFORE USING. Templates shipped with anchor bolts and available

 $www.rablighting.com/downloads/instructions/poles4.pd f"\ target="\_blank.$ 

#### **Pre-Shipped Anchor Bolts:**

Bolts can be pre-shipped upon request for additional freight charge

# Max EPA's/Max Weights:

70MPH 8.3 ft./240 lb. 80MPH 5.6 ft./165 lb. 90MPH 3.6 ft./110 lb. 100MPH 2.2 ft./75 lb. 110MPH 1.0 ft./45 lb. 120MPH 0.2 ft./20 lb.

#### Accessories:

Anchor Bolts: www.rablighting.com/product/ABK4-11

# **Technical Specifications (continued)**

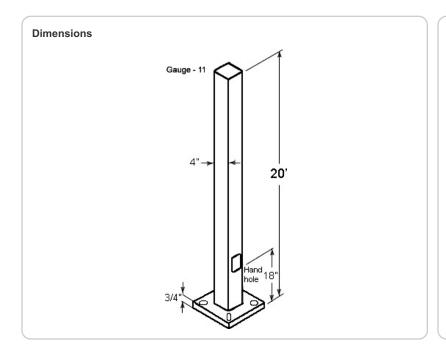
#### Other

# Terms of Sale:

Pole Terms of Sale is available .

#### **Buy American Act Compliance:**

RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.



# **Features**

Designed for ground mounting

Heavy duty TGIC polyester coating

Reinforced hand holes with grounding lug and removable cover for easy wiring access

Anchor Bolt Kit includes pole cap and base cover (sold separately)

Custom manufactured for each application



42" high rectangular Bollard with (1) 13 Watt (equivalent to a 150 Watt MH) LED fixture for low level lighting applications. Great for pathway lighting! IESNA Full Cutoff, Fully Shielded optics. 5-year, no-compromise warranty.

Color: Bronze Weight: 14.8 lbs

Project:	Туре:
Prepared By:	Date:

Driver Info		LED Info	
Type	Constant Current	Watts	13W
120V	0.13A	Color Temp	5000K (Cool)
208V	0.08A	Color Accuracy	66 CRI
240V	0.07A	L70 Lifespan	100,000
277V	0.06A	Lumens	1,530
Input Watts	15.2W	Efficacy	100.7 LPW

# **Technical Specifications**

#### Listings

#### **UL Listing:**

Suitable for wet locations

# IESNA LM-79 & IESNA LM-80 Testing:

RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

#### **Dark Sky Conformance:**

Conforms to (allows for conformance to) the IDA's fully shielding requirement, emitting no light above 90 degrees (with the exclusion of incidental light reflecting from fixture housing, mounts, and pole).

#### **LED Characteristics**

#### Lifespan:

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

# **Color Temperature:**

5000K

#### Lumen Maintenance:

The LED will deliver 70% of its initial lumens at 100,000 hours of operation

# Color Consistency:

7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

#### Color Stability:

LED color temperature is warrantied to shift no more than 200K in CCT over a 5-year period

#### **Color Uniformity:**

RAB's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017

#### Construction

# Junction Box:

Junction Box Not Included

# **Maximum Ambient Temperature:**

Suitable for use in 55°C (131°F)

#### **Cold Weather Starting:**

Minimum starting temperature is -40°C (-40°F)

#### Green Technology:

Mercury and UV free. RoHS-compliant components.

#### Housing:

Precision die cast aluminum housing, lens frame

# Mounting:

42" Bollard

#### Gaskets:

High-temperature silicone

#### Finish:

Formulated for high durability and long-lasting color

## **Anchor Bolt:**

The anchor bolts for the BLED's have the following dimensions 1/2 - 13 x 12 1/4" long with 2 3/4" hook.

# Electrical

# **Surge Protection:**

4kV

#### **Electrical**

#### Driver:

Multi-chip 13W high output long life LED Driver Constant Current, Class 2 100V - 277V, 50/60 Hz

#### Other

#### Patents:

The design of the BLED is protected by patents pending in Canada, U.S. Pat. D599,050 and Pat. D599,049, and patents pending in China and Taiwan.

#### Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty is subject to all terms and conditions found at www.rablighting.com/legal#warranty

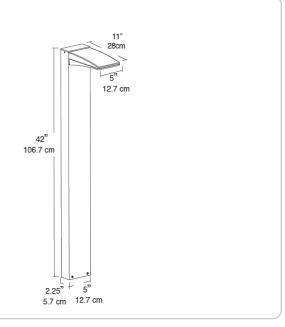
#### Equivalency:

Equivalent to 70W Metal Halide

# **Buy American Act Compliance:**

RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

#### **Dimensions**



#### **Features**

High output LED

100,000-hour life

Superior heat sinking with die cast aluminum housing

Meets ADA Requirements

Cutting-Edge, Heat-Dissipating Design

5-Year, No-Compromise Warranty



Project:	Туре:
Prepared By:	Date:

Driver Info	)	LED Info	
Туре	Constant Current	Watts	150W
120V	1.31A	Color Temp	5000K (Cool)
208V	A08.0	Color Accuracy	71 CRI
240V	0.69A	L70 Lifespan	10,000
277V	0.60A	Lumens	16,839
Input Watts	155.2W	Efficacy	108.5 LPW

Color: Bronze

# Lightcloud

#### **Lightcloud Controller Installed:**

Fixture, Zone, and plug-load control from one powerful device. Capable of switching, 0-10V dimming, power monitoring. Can also be used to extend the range of the Lightcloud mesh network. Attach to fixture, junction box, or electrical panel.www.rablighting.com/lightcloud

#### **Electrical**

#### **Dimming Driver:**

Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims as low as 10%.

#### THD:

6% at 120V, 11.3% at 277V

# Listings

#### **DLC Listed:**

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities.

DLC Product Code: PXFTQ735

#### **UL Listing:**

Suitable for wet locations

# IESNA LM-79 & LM-80 Testing:

RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

# **LED Characteristics**

#### Lifespan:

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

#### LEDs:

Multi-chip, high-output, long-life LEDs

# **Color Consistency:**

Weight: 34.8 lbs

7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

#### Color Stability:

LED color temperature is warrantied to shift no more than 200K in CCT over a 5-year period

#### **Color Uniformity:**

RAB's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

## Construction

#### **IES Classification:**

The Type III distribution is ideal for roadway, general parking and other area lighting applications where a larger pool of lighting is required. It is intended to be located near the side of the area, allowing the light to project outward and fill the area.

# IP Rating:

Ingress Protection rating of IP66 for dust and water

# **Maximum Ambient Temperature:**

Suitable for use in 40°C (104°F)

#### **Cold Weather Starting:**

Minimum starting temperature is -40°C (-40°F)

# **Thermal Management:**

Superior thermal management with external "Air-Flow" fins

#### Housing:

Die-cast aluminum housing, lens frame and mounting arm

#### Mounting:

Heavy-duty mounting arm with "O" ring seal & stainless steel screws

#### Reflector:

Specular vacuum-metallized polycarbonate

#### Construction

#### Gaskets:

High-temperature silicone gaskets

#### Finish:

Formulated for high durability and long-lasting color

#### Green Technology:

Mercury and UV free. RoHS-compliant components.

# Other

#### Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty is subject to all terms and conditions found at www.rablighting.com/legal#warranty

#### Patents:

The design of WPLED150 is protected by patents pending in US, Canada, China, Taiwan and Mexico

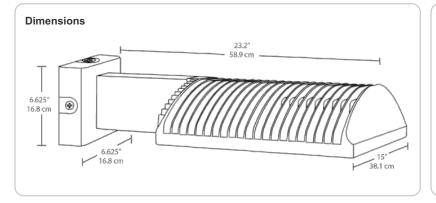
# **Buy American Act Compliance:**

RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

#### Optical

# **BUG Rating:**

B1 U0 G2



## Features

High performance LED light engine

Maintains 70% of initial lumens at 100,000-hours

Weatherproof high temperature silicone gaskets

Superior heat sinking with die cast aluminum housing and external fins

Replaces 400W MH

100 up to 277 Volts

5-year Warranty and 10-Year, No-Compromise Lightcloud Warranty

dering Matı		18/-44	O-lan Tanan	NA	Finish	Daire an Ocation of	041
Family	Optics	Wattage	Color Temp	Mounting	Finish	Driver Options	Other Options
VPLED	3T	150				/D10	/LC
	<b>4T =</b> Type	<b>50 =</b> 50W	<b>Blank =</b> 5000K	Blank = Arm	Blank =	Blank = Standard	Blank = Standard
	IV	<b>78 =</b> 78W	(Cool)	FX = Flat	Bronze	<b>/480 =</b> 480V	/PC = 120V Photocell
	<b>3T =</b> Type	105 =	<b>N</b> = 4000K (Neutral)	Mount	W = White	/BL = Bi-Level	/PC2 = 277V Photocell
	III	105W	Y = 3000K (Warm)			/D10 = 0-10V Dimming	/PCT = 120-277V Twistlock Photocell
	<b>2T</b> = Type	125 =				/480/D10 = 480V 0-10V	/PCT4 = 480V Twistlock Photocell
	II	125W				Dimming	/PCS = 120V Swivel Photocell
		150 =					/PCS2 = 277V Swivel Photocell
		150W					/PCS4 = 480V Swivel Photocell
							/WS2 = Multi-Level Motion Sensor (20 ft.
							ht.)
							/WS4 = Multi-Level Motion Sensor (40 ft.
							ht.)
							/LC = Lightcloud Controller



Project:	Туре:
Prepared By:	Date:

Driver Info		LED Info	
Туре	Constant Current	Watts	78W
120V	0.66A	Color Temp	5000K (Cool)
208V	0.41A	Color Accuracy	71 CRI
240V	0.35A	L70 Lifespan	100,000
277V	0.30A	Lumens	10,157
Input Watts	77.1W	Efficacy	131.7 LPW

## Lightcloud

#### **Lightcloud Controller Installed:**

Fixture, Zone, and plug-load control from one powerful device. Capable of switching, 0-10V dimming, power monitoring. Can also be used to extend the range of the Lightcloud mesh network. Attach to fixture, junction box, or electrical panel.www.rablighting.com/lightcloud

#### Listings

# **DLC Listed:**

This product is listed by Design Lights Consortium (DLC) as an ultra-efficient premium product that qualifies for the highest tier of rebates from DLC Member Utilities.

DLC Product Code: P4E12RE9

#### **UL Listing:**

Suitable for wet locations as a downlight

# IESNA LM-79 & IESNA LM-80 Testing:

RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

#### **Electrical**

# **Dimming Driver:**

Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims as low as 10%.

#### **Surge Protection:**

4kV

# Driver:

Constant Current, Class 2, 2000mA, 100-277V, 50-60Hz, 1.1A, Power Factor 99%

#### THD:

5.0% at 120V, 12.3% at 277V

#### **Power Factor:**

99.5% at 120V. 93.6% at 277V

#### **LED Characteristics**

#### SPEC>Lifespan:

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

#### FDs.

Six (6) multi-chip, 13W, high-output, long-life LEDs

# **Color Consistency:**

7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

#### Color Stability:

LED color temperature is warrantied to shift no more than 200K in CCT over a 5-year period

#### **Color Uniformity:**

RAB's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017

#### Construction

#### **IES Classification:**

The Type II distribution is ideal for wide walkways, on ramps and entrance roadways, bike paths and other long and narrow lighting applications. This type is meant for lighting larger areas and usually is located near the roadside. This type of lighting is commonly found on smaller side streets or jogging paths.

## **Effective Projected Area:**

EPA = 0.75

## **Ambient Temperature:**

Suitable For use in 40°C (104°F)

# **Cold Weather Starting:**

Minimum starting temperature is -40°C (-40°F)

#### **Thermal Management:**

Superior heat sinking with external Air-Flow fins

#### Construction

#### Lens:

Tempered glass lens

#### Housing:

Die cast aluminum housing, lens frame and mounting arm

#### IP Rating:

Ingress Protection rating of IP66 for dust and water

#### Mounting:

Universal mounting arm compatible for hole spacing patterns from 1" to 5 1/2" center to center. Round Pole Adaptor plate included as a standard. Easy slide and lock to mount fixture with ease. Round pole diameter must be >4" to mount fixtures at 90° orientation.

#### Reflector:

Ordering Matrix

Specular vacuum-metallized polycarbonate

#### Gaskets:

High-temperature silicone gaskets

#### Finish

Formulated for high durability and long-lasting color

#### Green Technology:

Mercury and UV free. RoHS-compliant components.

#### Other

# Compatibility:

Compatible with Round Poles with a diameter of 2.5" to 6"

#### Patents:

The ALED design is protected by patents in the U.S. Pat. 668,370, Canada Pat. 144956, China ZL201230100154.X, and Mexico Pat. 38423. Pending patents in Taiwan.

#### Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty is subject to all terms and conditions found at www.rablighting.com/legal#warranty

#### Equivalency:

Equivalent to 250W Metal Halide

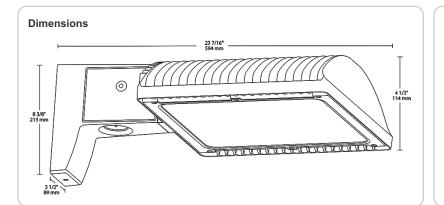
# **Buy American Act Compliance:**

RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

#### Optical

# **BUG Rating:**

B1 U0 G2



#### Features

66% energy cost savings vs. HID

100,000-hour LED lifespan

5-Year, No Compromise Fixture Warranty and 10-Year, No Compromise Lightcloud Warranty

/WS4 = Multi-Level Motion Sensor 40 ft

IdditA							
Optics	Wattage	Mounting	Color Temp	Finish	<b>Driver Options</b>	Options	Other Options
2T	78				/D10	/LC	
4T = Type	50 = 50W 78 = 78W 105 = 105W 125 = 125W	Blank = Pole mount SF = Slipfitter	Blank = 5000K (Cool) N = 4000K (Neutral) Y = 3000K (Warm)	Blank = Bronze RG = Roadway Gray W = White K = Black	Blank = 120-277V /480 = 480V /BL = Bi-Level /D10 = 0-10V Dimming	Blank = No Option  /LC = Lightcloud® Controller  /PCS = 120V Swivel Photocell  /PCS2 = 277V Swivel Photocell  /PCT = 120-277V Twistlock  Photocell	Blank = Standard USA = BAA Compliant
	<b>150 =</b> 150W					/PCS4 = 480V Swivel Photocell /PCT4 = 480V Twistlock Photocell /WS2 = Multi-Level Motion Sensor	
	2T  4T = Type IV  3T = Type III  2T = Type	Optics Wattage  2T 78  4T = Type 50 = 50W IV 78 = 78W  3T = Type 105 = 105W  2T = Type 125 = 125W 150 =	Optics         Wattage         Mounting           2T         78           4T = Type IV         50 = 50W 78 = 78W         Blank = Pole mount           3T = Type III         105 = 105W         SF = Slipfitter           2T = Type II         125 = 125W         125W           150 =         150 = 125W         150 = 125W	Optics         Wattage         Mounting         Color Temp           2T         78	Optics         Wattage         Mounting         Color Temp         Finish           2T         78         Image: Color Temp of Temp         Finish           4T = Type	Optics         Wattage         Mounting         Color Temp         Finish         Driver Options           2T         78         /D10           4T = Type IV         50 = 50W 78 = 78W         Blank = Pole mount Mount Series         Blank = 5000K (Cool) RG = Roadway RG =	Optics         Wattage         Mounting         Color Temp         Finish         Driver Options         Options           2T         78         Image: Color Temp         Finish         Driver Options         Options           4T = Type



Project:	Туре:
Prepared By:	Date:

Driver Info	1	LED Info	
Type	Constant Current	Watts	150W
120V	1.31A	Color Temp	5000K (Cool)
208V	A08.0	Color Accuracy	71 CRI
240V	0.69A	L70 Lifespan	100,000
277V	0.60A	Lumens	17,834
Input Watts	153.2W	Efficacy	116.4 LPW

# Lightcloud

#### **Lightcloud Controller Installed:**

Fixture, Zone, and plug-load control from one powerful device. Capable of switching, 0-10V dimming, power monitoring. Can also be used to extend the range of the Lightcloud mesh network. Attach to fixture, junction box, or electrical panel.www.rablighting.com/lightcloud

#### Listings

# **DLC Listed:**

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities.

DLC Product Code: PKSJ8MUN

#### **UL Listing:**

Suitable for wet locations

# IESNA LM-79 & LM-80 Testing:

RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

#### **Electrical**

#### **Dimming Driver:**

Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims as low as 10%.

#### **Surge Protection:**

4kV

#### Driver

One Driver, Constant Current, Class 2, 2100mA 100-277V, 50-60Hz, Power Factor 99%

#### THD:

6.6% at 120V, 12.1% at 277V

#### **Power Factor:**

99.5% at 120V. 93.7% at 277V

#### **LED Characteristics**

#### Lifespan:

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

#### LEDs:

Multi-chip, high-output, long-life LEDs

# **Color Consistency:**

7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

#### Color Stability:

LED color temperature is warrantied to shift no more than 200K in CCT over a 5-year period

#### **Color Uniformity:**

RAB's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017

#### Construction

#### **IES Classification:**

The Type II distribution is ideal for wide walkways, on ramps and entrance roadways, bike paths and other long and narrow lighting applications. This type is meant for lighting larger areas and usually is located near the roadside. This type of lighting is commonly found on smaller side streets or jogging paths.

## **Effective Projected Area:**

EPA = 0.75

## **Maximum Ambient Temperature:**

Suitable for use in 40°C (104°F)

# **Cold Weather Starting:**

Minimum starting temperature is -40°C (-40°F)

#### **Thermal Management:**

Superior thermal management with external "Air-Flow"

#### Construction

#### Lens:

Tempered glass lens

# Housing:

Die-cast aluminum housing, lens frame and mounting

#### IP Rating:

Ingress Protection rating of IP66 for dust and water

#### Mounting:

Universal mounting arm compatible for hole spacing patterns from 1" to 5 1/2" center to center. Round Pole Adaptor plate included as a standard. Easy slide and lock to mount fixture with ease. Round pole diameter must be >4" to mount fixtures at 90° orientation.

#### Reflector:

Specular vacuum-metallized polycarbonate

#### Gaskets:

High-temperature silicone gaskets

#### Finish

Formulated for high durability and long-lasting color

#### Green Technology:

Mercury and UV free. RoHS-compliant components.

#### Other

# Compatibility:

Compatible with Round Poles with a diameter of 2.5" to 6"

#### Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty is subject to all terms and conditions found at www.rablighting.com/legal#warranty

#### Equivalency:

Equivalent to 400W Metal Halide

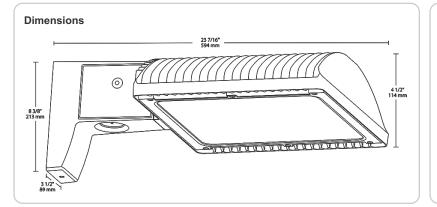
#### **Buy American Act Compliance:**

RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

#### Optical

#### **BUG Rating:**

B2 U0 G2



# **Features**

66% energy cost savings vs. HID

100,000-hour LED lifespan

5-Year, No Compromise Fixture Warranty and 10-Year, No Compromise Lightcloud Warranty

Ordering Ma	trix							
Family	Optics	Wattage	Mounting	Color Temp	Finish	<b>Driver Options</b>	Options	Other Options
ALED	2T	150				/D10	/LC	
	4T = Type  V 3T = Type  II 2T = Type  I	50 = 50W 78 = 78W 105 = 105W 125 = 125W 150 = 150W	Blank = Pole mount SF = Slipfitter	Blank = 5000K (Cool) N = 4000K (Neutral) Y = 3000K (Warm)	Blank = Bronze RG = Roadway Gray W = White K = Black	Blank = 120-277V /480 = 480V /BL = Bi-Level /D10 = 0-10V Dimming	Blank = No Option  /LC = Lightcloud® Controller  /PCS = 120V Swivel Photocell  /PCS2 = 277V Swivel Photocell  /PCT = 120-277V Twistlock  Photocell  /PCS4 = 480V Swivel Photocell  /PCT4 = 480V Twistlock Photocell  /WS2 = Multi-Level Motion Sensor  20 ft.  /WS4 = Multi-Level Motion Sensor  40 ft.	Blank = Standard USA = BAA Compliant



Project:	Туре:
Prepared By:	Date:

Driver Info		LED Info	
Type	Constant Current	Watts	150W
120V	1.31A	Color Temp	5000K (Cool)
208V	0.80A	Color Accuracy	71 CRI
240V	0.69A	L70 Lifespan	100,000
277V	0.60A	Lumens	18,464
Input Watts	155.8W	Efficacy	118.5 LPW

# Lightcloud

#### **Lightcloud Controller Installed:**

Fixture, Zone, and plug-load control from one powerful device. Capable of switching, 0-10V dimming, power monitoring. Can also be used to extend the range of the Lightcloud mesh network. Attach to fixture, junction box, or electrical panel.www.rablighting.com/lightcloud

#### Listings

# **DLC Listed:**

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities.

DLC Product Code: PPS5XY2A

#### **UL Listing:**

Suitable for wet locations

# IESNA LM-79 & LM-80 Testing:

RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

#### **Electrical**

#### **Dimming Driver:**

Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims as low as 10%.

#### **Surge Protection:**

4kV

#### Driver

One Driver, Constant Current, Class 2, 2100mA 100-277V, 50-60Hz, Power Factor 99%

#### THD:

4.7% at 120V, 13.3% at 277V

#### **Power Factor:**

99.5% at 120V. 93.7% at 277V

#### **LED Characteristics**

#### Lifespan:

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

#### FDs.

Multi-chip, high-output, long-life LEDs

# **Color Consistency:**

7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

#### Color Stability:

LED color temperature is warrantied to shift no more than 200K in CCT over a 5-year period

#### **Color Uniformity:**

RAB's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017

#### Construction

#### **IES Classification:**

The Type IV distribution (also known as a Forward Throw) is especially suited for mounting on the sides of buildings and walls, and for illuminating the perimeter of parking areas. It produces a semiCircular distribution with essentially the same candlepower at lateral angles from 90° to 270°.

## **Effective Projected Area:**

EPA = 0.75

## **Maximum Ambient Temperature:**

Suitable for use in 40°C (104°F)

# **Cold Weather Starting:**

Minimum starting temperature is -40°C (-40°F)

#### **Thermal Management:**

Superior thermal management with external "Air-Flow"

#### Construction

#### Lens:

Tempered glass lens

#### Housing:

Die-cast aluminum housing, lens frame and mounting

#### IP Rating:

Ingress Protection rating of IP66 for dust and water

#### Mounting:

Universal mounting arm compatible for hole spacing patterns from 1" to 5 1/2" center to center. Round Pole Adaptor plate included as a standard. Easy slide and lock to mount fixture with ease. Round pole diameter must be >4" to mount fixtures at 90° orientation.

#### Reflector:

Specular vacuum-metallized polycarbonate

#### Gaskets:

High-temperature silicone gaskets

#### Finish:

Formulated for high durability and long-lasting color

#### Green Technology:

Mercury and UV free. RoHS-compliant components.

#### Other

# Compatibility:

Compatible with Round Poles with a diameter of 2.5" to 6"

#### Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty is subject to all terms and conditions found at www.rablighting.com/legal#warranty

#### Equivalency:

Equivalent to 400W Metal Halide

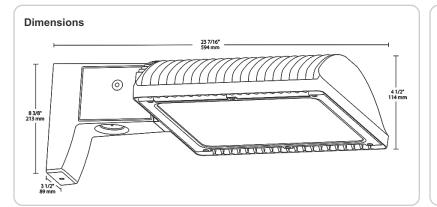
#### **Buy American Act Compliance:**

RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

#### Optical

#### **BUG Rating:**

B1 U0 G2



# **Features**

66% energy cost savings vs. HID

100,000-hour LED lifespan

5-Year, No Compromise Fixture Warranty and 10-Year, No Compromise Lightcloud Warranty

Ordering N	atrix							
Family	Optics	Wattage	Mounting	Color Temp	Finish	<b>Driver Options</b>	Options	Other Options
ALED	4T	150				/D10	/LC	
	4T = Type IV 3T = Type III 2T = Type II	50 = 50W 78 = 78W 105 = 105W 125 = 125W 150 = 150W	Blank = Pole mount SF = Slipfitter	Blank = 5000K (Cool) N = 4000K (Neutral) Y = 3000K (Warm)	Blank = Bronze RG = Roadway Gray W = White K = Black	Blank = 120-277V /480 = 480V /BL = Bi-Level /D10 = 0-10V Dimming	Blank = No Option  /LC = Lightcloud® Controller  /PCS = 120V Swivel Photocell  /PCS2 = 277V Swivel Photocell  /PCT = 120-277V Twistlock  Photocell  /PCS4 = 480V Swivel Photocell  /PCT4 = 480V Twistlock Photocell  /WS2 = Multi-Level Motion Sensor  20 ft.  /WS4 = Multi-Level Motion Sensor  40 ft.	Blank = Standard USA = BAA Compliant



Project:	Туре:
Prepared By:	Date:

Driver Info		LED Info	
Туре	Constant Current	Watts	150W
120V	1.31A	Color Temp	5000K (Cool)
208V	A08.0	Color Accuracy	71 CRI
240V	0.69A	L70 Lifespan	100,000
277V	0.60A	Lumens	16,839
Input Watts	155.2W	Efficacy	108.5 LPW

# Lightcloud

#### **Lightcloud Controller Installed:**

Fixture, Zone, and plug-load control from one powerful device. Capable of switching, 0-10V dimming, power monitoring. Can also be used to extend the range of the Lightcloud mesh network. Attach to fixture, junction box, or electrical panel.www.rablighting.com/lightcloud

#### Listings

# **DLC Listed:**

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities.

DLC Product Code: PHQG1YES

#### **UL Listing:**

Suitable for wet locations

#### IESNA LM-79 & LM-80 Testing:

RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

#### **Electrical**

## **Dimming Driver:**

Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims as low as 10%.

#### **Surge Protection:**

4kV

#### Driver

One Driver, Constant Current, Class 2, 2100mA 100-277V, 50-60Hz, Power Factor 99%

#### THD:

6% at 120V, 11.3% at 277V

#### **Power Factor:**

99.5% at 120V. 93.7% at 277V

#### **LED Characteristics**

#### Lifespan:

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

#### I FDs

Multi-chip, high-output, long-life LEDs

# **Color Consistency:**

7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

#### Color Stability:

LED color temperature is warrantied to shift no more than 200K in CCT over a 5-year period

#### **Color Uniformity:**

RAB's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017

#### Construction

#### **IES Classification:**

The Type III distribution is ideal for roadway, general parking and other area lighting applications where a larger pool of lighting is required. It is intended to be located near the side of the area, allowing the light to project outward and fill the area.

#### **Effective Projected Area:**

EPA = 0.75

#### **Maximum Ambient Temperature:**

Suitable for use in 40°C (104°F)

# **Cold Weather Starting:**

Minimum starting temperature is -40°C (-40°F)

# **Thermal Management:**

Superior thermal management with external "Air-Flow" fins

#### Construction

#### Lens:

Tempered glass lens

#### Housing:

Die-cast aluminum housing, lens frame and mounting

#### IP Rating:

Ingress Protection rating of IP66 for dust and water

#### Mounting:

Universal mounting arm compatible for hole spacing patterns from 1" to 5 1/2" center to center. Round Pole Adaptor plate included as a standard. Easy slide and lock to mount fixture with ease. Round pole diameter must be >4" to mount fixtures at 90° orientation.

#### Reflector:

Specular vacuum-metallized polycarbonate

#### Gaskets:

High-temperature silicone gaskets

#### Finish

Formulated for high durability and long-lasting color

#### Green Technology:

Mercury and UV free. RoHS-compliant components.

# Other

# Compatibility:

Compatible with Round Poles with a diameter of 2.5" to 6"

#### Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty is subject to all terms and conditions found at www.rablighting.com/legal#warranty

#### Equivalency:

Equivalent to 400W Metal Halide

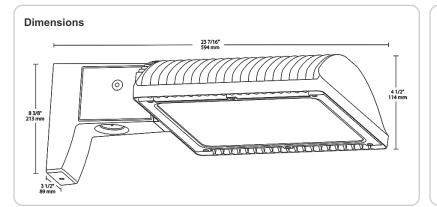
#### **Buy American Act Compliance:**

RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

#### Optical

#### **BUG Rating:**

B1 U0 G2



# **Features**

66% energy cost savings vs. HID

100,000-hour LED lifespan

5-Year, No Compromise Fixture Warranty and 10-Year, No Compromise Lightcloud Warranty

Ordering Matrix										
Family	Optics	Wattage	Mounting	Color Temp	Finish	Driver Options	Options	Other Options		
ALED	3T	150				/D10	/LC			
	4T = Type  V  3T = Type  III 2T = Type  I	50 = 50W 78 = 78W 105 = 105W 125 = 125W 150 = 150W	Blank = Pole mount SF = Slipfitter	Blank = 5000K (Cool) N = 4000K (Neutral) Y = 3000K (Warm)	Blank = Bronze RG = Roadway Gray W = White K = Black	Blank = 120-277V /480 = 480V /BL = Bi-Level /D10 = 0-10V Dimming	Blank = No Option  /LC = Lightcloud® Controller  /PCS = 120V Swivel Photocell  /PCS2 = 277V Swivel Photocell  /PCT = 120-277V Twistlock  Photocell  /PCS4 = 480V Swivel Photocell  /PCT4 = 480V Twistlock Photocell  /WS2 = Multi-Level Motion Sensor  20 ft.  /WS4 = Multi-Level Motion Sensor  40 ft.	Blank = Standard USA = BAA Compliant		